

**THE YEAR BOOK
2020**



**INDIAN ACADEMY OF SCIENCES
Bengaluru**

Postal Address:

Indian Academy of Sciences

Post Box No. 8005
C.V. Raman Avenue
Sadashivanagar Post, Raman Research Institute Campus
Bengaluru 560 080
India

Telephone : +91-80-2266 1200, +91-80-2266 1203

Fax : +91-80-2361 6094

Email : office@ias.ac.in, execsec@ias.ac.in

Website : www.ias.ac.in

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Editorial & Production Team:

Nalini, B.R.
Thirumalai, N.
Vanitha, M.

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Contents namely MoA, RoA, Statutes and Ethics documents of the Academy are not printed in the Year Book. These can be accessed in the respective URLs:

Memorandum of Association

https://www.ias.ac.in/About_IASc/Memorandum_of_Association/

Role of Academy

https://www.ias.ac.in/About_IASc/Role_of_the_Academy/

Statutes

https://www.ias.ac.in/About_IASc/Statutes/

Scientific Values: Ethical Guidelines and Procedures

https://www.ias.ac.in/About_IASc/Scientific_Values:_Ethical_Guidelines_And_Procedures/

Section A

Indian Academy of Sciences

Activities – a profile

1. **Publication of Scientific Journals:** Among the activities undertaken by the Academy since 1934, publication of scientific journals has occupied pride of place. Some early decisions were that papers for publication need not be communicated by Fellows, and that all papers submitted would be subject to scrutiny by referees.

The first issue of the *Proceedings of the Indian Academy of Sciences* appeared in July 1934. *Proceedings* was started as a monthly and soon became two monthlies in July 1935, one section devoted to physical sciences and the other to life sciences. In 1973, a new physics journal entitled *Pramana – Journal of Physics* was added. 1977 onwards, the publications programme was considerably enlarged, with the two sections of *Proceedings* split into several theme journals devoted to mathematics, chemistry, earth and planetary sciences, plant sciences, animal sciences, experimental biology and engineering. The section on experimental biology was renamed *Journal of Biosciences* in 1979, and in 1991, *Proceedings Animal Sciences* and *Proceedings Plant Sciences* merged with it. The section on engineering sciences was renamed *Sadhana* in 1984. New journals in materials science and astrophysics & astronomy were added. In 1985, the Academy took over and revived the *Journal of Genetics*, one of the oldest journals in genetics in the English language. The journal *Resonance*, added in the year 1996, is aimed at improving the quality of science education and teaching. The latest addition to the list of journals are ‘Dialogue: Science, Scientists, and Society’ and ‘IASc Conference Series’. These journals are online only journals.

The Current Science Association works with the Academy in bringing out the fortnightly multidisciplinary journal *Current Science*, published since 1932.

The number of journals currently published by the Academy is 13, covering all major disciplines in science & technology. The Academy is one of the biggest scientific journal publishers in the country. Besides regular journals, special publications of topical interest and *Patrika* – the newsletter of the Academy – are frequently brought out.

Since January 2007, 10 journals of the Academy are being co-published with Springer (<http://www.springer.com>). Springer provides access to the journals’ content worldwide on its journal platform Springer Link (<http://link.springer.com>). Springer also

distributes print editions of the 10 journals outside India, all international subscription queries can be made to subscriptions@springer.com. Full and free access to the Academy journals is available worldwide on the website of the Academy (<https://www.ias.ac.in/Journals/Overview/>).

2. **Election of Fellows and Honorary Fellows:** The Academy annually elects distinguished scientists of the country to its Fellowship; it also elects persons distinguished for contributions to science or engineering, whose place of work is outside India, as Honorary Fellows. The stringent annual exercise begins with nominations by Fellows, and goes through evaluation and shortlisting by Sectional Committees for the Council, and ends with ballot open to all Fellows in December every year. As on 31 December 2019, the number of Fellows on roll was 1069, and Honorary Fellows 53.
3. **Selection of Associates:** This programme was introduced in 1983 to identify and encourage promising young scientists. The programme was assessed for its impact in 2018 by a committee constituted by the Council. Based on the recommendations of the committee the programme was reformed to provide opportunity to young scientists from diverse institutions and backgrounds to pursue scientific excellence. As per the revised guidelines, the upper age limit is now 38 years. The Associateship is tenable for a minimum period of 3 years or a maximum period of 6 years. This expanded tenure of Associateship is applicable for candidates selected from 2019 onwards. During this period Associates can attend meetings of the Academy, organize Lecture Workshops, Refresher Courses and mentor students/teachers selected under the Summer Research Fellowship Programme; contribute to the Academy activities and publications as authors and reviewers; participate in editorial activities of the Academy journals. For the year 2020, candidates born after 31.12.1981 are eligible to be nominated by Fellows of the Academy and other Heads of institutions of national importance such as IITs, NITs, IISERs, CSIR laboratories, Central University departments (limited to pure and applied sciences including engineering). The total number of Associates is limited to 100. As on 31 December 2019 the total number of Associates is 92.
4. **Organizing Scientific Meetings:** The Academy annually holds scientific meetings, symposia and public lectures and encourages other similar activities to provide means of exchange of scientific knowledge among scientists and to bring new knowledge to the attention of the whole scientific community. Of the Academy's two

annual meetings, the Mid-Year Meeting takes place in June and the Annual Meeting in November. Please see page 356 for dates and venues of these meetings. Fellows and Associates of the Academy, invited college and university teachers and other invitees participate in these meetings.

5. **Repository of Publications of Fellows:** This initiative is intended to make available research and review papers published by Fellows in peer-reviewed journals. At the end of January 2020, the repository had 1,06,335 records with metadata, and around 22,678 of them with a fulltext PDF file.
6. **Chair Professorships:**
 - (i) **Raman Chair:** The Raman Chair was instituted in 1972 by the Government of India to commemorate the founder of the Academy, Sir C. V. Raman. Eminent scientists are invited to occupy the Chair, for periods between six weeks and six months.
 - (ii) **Jubilee Professor:** The Jubilee Professorship was instituted during the Platinum Jubilee Year of the Academy in 2009. Eminent scientists from any country and from any scientific discipline are invited to occupy the Jubilee Professorship for a period of two weeks to one month.
 - (iii) **Janaki Ammal Chair:** The Academy instituted the Janaki Ammal Chair in the year 2017 based on the suggestion evolved during the Platinum Jubilee Celebration of the Academy to establish a Chair for Women Scientists in honour of Dr Ammal. Guidelines of Raman Chair Professorship of the Academy are applicable for regulation of this Chair.
 - (iv) **The Academy–Springer Nature Chair:** The Academy–Springer Nature Chair was established in 2017 (initially for two years) to commemorate ten years of the co-publishing arrangement between the Academy and Springer Nature and is implemented by the Academy Trust (tAcT). The Chair Professorship will bring an eminent international scientist working in the area of sustainability to lecture at research-intensive institutions in India and the neighboring countries, as well as to deliver public lectures to address a wider audience.
7. **Science Academies' Education Programme:** Besides publication of the science education monthly – *Resonance*, six main activities are implemented towards attempts to improve the state of higher

education and teaching of science in the country. They are (a) Participation of college and university teachers in Academy annual meetings, (b) Summer Research Fellowships to students and teachers, (c) Focus Area Science Technology Summer Fellowships to students and teachers targetted at specific geographical regions/specific topics, (d) Summer schools for students and teachers on specific topics (e) Refresher courses for teachers, (f) Lecture workshops for students and teachers. The Indian National Science Academy, New Delhi, and the National Academy of Sciences India, Prayagraj, have joined this Academy since April 2007 in implementing these programmes.

8. **Women in Science:** In January 2003 the Council of the Academy constituted a committee to address issues concerning women scientists. This led to the formation of the “Women in Science” Panel in January 2005, whose objective is to study the current status of Indian women scientists as well as the problems faced by them, and to recommend to the Council suitable remedial measures. Some of the major initiatives undertaken so far by the Panel include – (a) Role model programme: This initiative aims to organize national seminars aimed at inspiring and motivating young women to take up a career in science. (b) *Lilavati's Daughters*: The book *Lilavati's Daughters: the women scientists of India*, published by the Academy, is a collection of biographical and autobiographical essays of about 100 women scientists of India. (c) Discussion sessions on Women in Science and “Leaky pipeline”: A survey on trained scientific women power, How much are we losing and why? The WiS Panel undertook this study to identify factors involved in the choices made by women to choose careers outside science and to address the relevant issues.
9. **Oral History Archive:** The archive is intended to be a repository of audio and video documentaries of some of the leading scientists of the country from among Academy's fellowship. It is hoped that the documented glimpses of experiences and careers of eminent personalities, while being a historical record, will also be of inspirational value to new generations of students and scientists. To start with, video memoirs on five past presidents of the Academy have been produced.

COUNCIL FOR THE PERIOD 2019–2021

President

Prof. Partha P. Majumder, NIBMG, Kalyani

Previous President

Prof. R. Ramaswamy, IIT, New Delhi

Vice-Presidents

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Prof. Mihir K. Chaudhuri, Assam Sachivalaya, Dispur

Prof. S.K. Tandon, IISER, Bhopal

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Prof. Umesh V. Waghmare, JNCASR, Bengaluru

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Prof. K.H. Paranjape, IISER, Mohali

Prof. T.P. Radhakrishnan, University of Hyderabad, Hyderabad

Prof. Mythily Ramaswamy, TIFR – CAM, Bengaluru

Dr Imran Siddiqi, CCMB, Hyderabad

Prof. D.C. Srivastava, IIT, Roorkee

Prof. Nikhil Tandon, AIIMS, New Delhi

OFFICE BEARERS

	Telephone	
	Office	Residence
<i>President</i>		
Prof. Partha P. Majumder	(033) 2589 2150 (033) 2589 2151	(033) 2565 4314
(while in the Academy Office)	(080) 2266 1239 (080) 2266 1203	
<i>Previous President</i>		
Prof. R. Ramaswamy	(011) 2659 7969	78930 93737
<i>Vice-Presidents</i>		
Prof. Manindra Agrawal	(0512) 259 7338	(0512) 259 8363
Prof. Mihir K. Chaudhuri	–	99544 49454
Prof. S.K. Tandon	98104 37365	(0124) 422 7715
Prof. R. Varadarajan	(080) 2293 2612	(080) 2360 2332
<i>Secretaries</i>		
Prof. Renee M. Borges	(080) 2360 2972 (080) 2293 3103	(080) 2341 7366
Prof. Umesh V. Waghmare	(080) 2208 2842	(080) 2233 2774
<i>Treasurer</i>		
Prof. V.A. Raghunathan	94808 36154	(080) 2344 8940

FORMER PRESIDENTS

1. Prof. Sir C.V. Raman	1934–1970
2. Prof. T.S. Sadasivan	1971–1973
3. Prof. M.G.K. Menon	1974–1976
4. Prof. S. Dhawan	1977–1979
5. Dr S. Varadarajan	1980–1982
6. Prof. S. Ramaseshan	1983–1985
7. Prof. O. Siddiqi	1986–1988
8. Prof. C.N.R. Rao	1989–1991
9. Prof. R. Narasimha	1992–1994
10. Prof. P. Rama Rao	1995–1997
11. Prof. N. Kumar	1998–2000
12. Dr K. Kasturirangan	2001–2003
13. Prof. T.V. Ramakrishnan	2004–2006
14. Prof. D. Balasubramanian	2007–2009
15. Prof. A. K. Sood	2010–2012
16. Prof. Dipankar Chatterji	2013–2015
17. Prof. R. Ramaswamy	2016–2018

THE ACADEMY TRUST (tAcT) A BRIEF

In pursuant to the decision of the Council of the Academy and duly endorsed by the Academy Fellowship in the Business Meeting held during November 2014, the Academy Trust (tAcT) was established (under the Indian Trust Act).

The objectives of the tAcT include organizing programmes on science education for school and college students to augment the existing curricula and to develop interest in science, encouraging internship programmes with industries for student researchers and to develop academia–industry interactions, encouraging visitors programme by instituting endowment chairs, and collaborating with other agencies for joint programmes to expand and improve research and education in science. The office of tAcT is presently located at the premises of Indian Academy of Sciences, Bengaluru. More details about tAcT are available at www.ias.ac.in/trust.

The Academy Trust is a non-governmental entity and a corpus fund has been created to carry out its programmes and activities. Donations are welcome from Fellows, well-wishers, individual donors, donor institutions, philanthropists, private and public enterprises, NGOs and others. Donations are exempted from income tax u/s 80G and 12A of IT act.

BOARD OF TRUSTEES

****Chair and Managing Trustee***

Prof. Partha P. Majumder, NIBMG, Kalyani

****Ex-Officio Trustees***

Prof. Renee M. Borges, IISc, Bengaluru

Prof. V.A. Raghunathan, RRI, Bengaluru

Prof. R. Ramaswamy, IIT, New Delhi

Prof. Umesh V. Waghmare, JNCASR, Bengaluru

Trustees

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Prof. Anil Kumar, NCL, Pune

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Prof. S. Sivaram, IISER, Pune

Prof. S. Shivaji, LV Prasad Eye Institute, Hyderabad

Prof. Anil K. Singh, Mumbai

****Office Bearers of Indian Academy of Sciences***

Section B

Professorships

RAMAN CHAIR

The Raman Chair was instituted in 1972 by the Government of India to commemorate the founder of the Academy, Prof. Sir C.V. Raman.

Eminent scientists are invited by the Council of the Academy to occupy the Chair, for periods between 6 weeks and 6 months.

Raman Professors who have occupied the Chair are:

1. Prof. R. Hanbury Brown
Chatterton Astronomy Department
University of Sydney (Australia) July–Oct. 1974
2. Prof. Dorothy Hodgkin, Nobel Laureate
Chemical Crystallography Laboratory
University of Oxford (UK) Feb.–Mar. 1979
Nov. 1979
3. Prof. N. Bloembergen, Nobel Laureate
Division of Applied Sciences,
Harvard University (USA) Sept.–Dec. 1979
4. Prof. Charles Frank
The H.H. Wills Physics Laboratory
University of Bristol (UK) Dec. 1979–Feb. 1980
5. Prof. K.R. Ramanathan
Physical Research Laboratory
Ahmedabad Sept.–Dec. 1980
6. Prof. George W. Series
University of Reading (UK) Oct. 1982–Feb. 1983
7. Prof. G. Pontecorvo
Imperial Cancer Research Fund
London (UK) Dec. 1982–Feb. 1983
8. Prof. J.B. Goodenough
University of Oxford (UK) Dec. 1982–Mar. 1983
9. Prof. B.S. Blumberg, Nobel Laureate
Fox Chase Cancer Center
Philadelphia (USA) Jan.–Apr. 1986
10. Prof. John T. Bonner
Princeton University
Princeton, New Jersey (USA) Oct. 1990–Jan. 1991

- | | | |
|-----|---|------------------------|
| 11. | Prof. Anatol Roshko
California Institute of Technology
Pasadena, California (USA) | Dec. 1993–Jan. 1994 |
| 12. | Prof. A. K. Ramdas
Purdue University
Indiana (USA) | Nov. 1994–Jan. 1995 |
| 13. | Prof. Sir Hermann Bondi
Churchill College
Cambridge (UK) | Dec. 1995–Feb. 1996 |
| 14. | Prof. B.I. Halperin
Harvard University
Cambridge, Massachusetts (USA) | Sept.–Oct. 1996 |
| 15. | Prof. Dan P. McKenzie
University of Cambridge
Cambridge (UK) | Feb.–April 1997 |
| 16. | Prof. T.N. Krishnamurti
Florida State University
Tallahassee (USA) | Dec. 1998
Dec. 1999 |
| 17. | Prof. Itamar Procaccia
Weizmann Institute of Science
Rehovot (Israel) | Feb.–Mar. 2001 |
| 18. | Prof. Albert J. Libchaber
The Rockefeller University
New York (USA) | Oct.–Nov. 2001 |
| 19. | Prof. K.R. Sreenivasan
Yale University
New Haven (USA) | June–July 2002 |
| 20. | Prof. Philippe Nozieres
Institut Laue-Langevin
Grenoble Cedex (France) | Feb.–March 2003 |
| 21. | Prof. Robert Williams
Space Telescope Science Institute
Baltimore, Maryland (USA) | Dec. 2003–Jan. 2004 |

- | | | |
|-----|--|--|
| 22. | Prof. Abhay Ashtekar
Pennsylvania State University
Pennsylvania (USA) | Dec. 2004–Jan. 2005 |
| 23. | Prof. Anne McLaren
Cancer Research UK
Gurdon Institute, Cambridge (UK) | Nov.–Dec. 2005
Oct.–Nov. 2006 |
| 24. | Prof. Sajeev John
University of Toronto
Canada | Dec. 2007–Jan. 2008 |
| 25. | Prof. S.R.S. Varadhan
Courant Institute of Mathematical Sciences
New York (USA) | Jan.–Feb. 2009 |
| 26. | Prof. Marc Fontecave
Universite Joseph Fourier
Grenoble (France) | Apr. 2009
Oct.–Nov. 2009 |
| 27. | Prof. Huzihiro Araki
Research Institute for Mathematical
Sciences
Kyoto University, Kyoto (Japan) | Jul.–Sep. 2010 |
| 28. | Prof. Anthony K. Cheetham
University of Cambridge
Cambridge (UK) | Sep.–Oct. 2011
Dec. 2011 |
| 29. | Prof. Sauro Succi
Istituto Applicazioni Calcolo
Rome (Italy) | Oct. 2011
Jan.–Feb. 2012
July 2012 |
| 30. | Prof. Michael L. Klein
Temple University
Philadelphia (USA) | Feb.–Mar. 2014
Aug.–Sept. 2014
Jan. 2015 |
| 31. | Prof. T.J. Pedley
University of Cambridge
Cambridge (UK) | Feb.–Mar. 2016
Nov. 2016 |
| 32. | Prof. David Baker
University of Washington
Seattle (USA) | Dec. 2018–Jan. 2019 |
| 33. | Prof. Ben L. Feringa
University of Groningen
The Netherlands | March 2019 |

JUBILEE CHAIR

The Jubilee Professorship was instituted during the Platinum Jubilee Year of the Academy (2009). General guidelines are as follows:

- (1) Eminent scientists from any country and from any scientific discipline can be invited to occupy the Jubilee Professorship for a minimum period of two weeks and up to one month.
- (2) The Jubilee Professor may pursue any scientific activity and may be based in any Laboratory or Institution in India. The Professor is expected to visit smaller towns, universities for delivering lectures, holding seminars and interacting with students, teachers and researchers for scientific collaboration.
- (3) The Jubilee Professor is entitled to an honorarium of Rs 80,000/- per month in addition to local hospitality for the Jubilee Professor and spouse/companion.
- (4) The Academy will provide one business class air-fare from the place of residence to India and back or two economy class excursion fares if accompanied by spouse/companion.
- (5) All travel expenses of the Jubilee Professor within India will be met by the Academy.

Jubilee Professors who have occupied the Chair are:

- | | |
|--|---------------------|
| 1. Prof. Ashok R. Venkitaraman
University of Cambridge, UK | July–August 2012 |
| 2. Prof. Nitash P. Balsara
University of California, Berkeley, USA | November 2014 |
| 3. Prof. Madhu Sudan
Microsoft Research, Cambridge, USA | Dec. 2015–Jan. 2016 |
| 4. Prof. Andrej Sali
University of California,
San Francisco, USA | July–August 2017 |
| 5. Prof. Veena Sahajwalla
University of New South Wales,
Sydney, Australia | August 2017 |
| 6. Prof. Ken Ono
University of Virginia
Charlottesville, USA | December 2019 |

Section C

**Fellowship and
Honorary Fellowship**

FELLOWS ON ROLL

Elected
Year

- 1986 **Abrol**, Yash Pal, b. 1935, Ph.D. (Chicago), FNA, FNASc, FNAAS, Chief Patron, Society for Conservation of Nature, Room No. F 4, CGIAR Block, NASC Complex, Dev Prakash Shastri Marg, P.O. Pusa, New Delhi 110 012, Tel. Off. & Fax (011) 2584 3842; (011) 2584 2110, Res. (0124) 496 9808, Mobile: 98100 32162, email: ypabrol@gmail.com, sp. agriculture; crop physiology; environmental sciences.
- 2001 **Acharya**, Subrat Kumar, b. 1951, MD (Utkal), D.M. (AIIMS), FNA, FNASc, Pro-Chancellor, KIIT University, Bhubaneswar; Res. 4B-1481, Sector 11, CDA, Cuttack 753 015, Mobile: 98718 41769, Res. (0671) 230 9879, email: subratacharya@hotmail.com; subratacharya@gmail.com, sp. gastroenterology; hepatology; liver diseases.
- 1999 **Adhya**, Samit, b. 1953, Ph.D. (New York), FNA, CSIR Emeritus Scientist, CSIR-Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2499 5736, Res. (033) 2280 0123, Mobile: 94326 69883, email: nilugrandson@gmail.com, sp. molecular genetics of parasites; intracellular RNA trafficking; mitochondrial biology & medicine; DNA diagnostics.
- 1996 **Adimurthi**, Adi, b. 1952, Ph.D. (Bombay), FNA, FNASc, FTWAS, TIFR Centre for Applicable Mathematics, P.B. No. 6503, Sharada Nagar, Bengaluru 560 065, Tel. Off. (080) 6695 3742; (080) 6695 3700, Res. (080) 2341 1505, Mobile: 96635 65354, Fax (080) 6695 3799, email: aditi@math.tifrbng.res.in; adiadimurthi@gmail.com, sp. nonlinear differential equations.

Abbreviations/Explanatory Note:

b.	- year of birth	Fax	- Fax number
Tel.	- telephone number	email	- electronic mail address
Off.	- office	sp.	- fields of specialization
Res.	- residence		

Area code for telephone and fax numbers within India is given in brackets before each telephone number. The country code and area code for telephone numbers outside India are also given in brackets preceded by '+' sign. The number after a 'slash' sign indicates the extension number.

More abbreviations, see p. 194

Elected
Year

- 1981 **Agarwal**, Girish S, b. 1946, Ph.D. (Rochester), D.Sc. (h.c.), FRS, FNA, FNASc, FTWAS, Texas A & M University, College Station, TX 77840, USA, Mobile: (+1-405) 714 1566, email: girish.agarwal@tamu.edu, sp. quantum optics; nano & biophotonics; plasmonics; stochastic processes.
- 2020 **Agarwal**, Vivek, b. 1964, Ph.D. (Victoria), FIEEE, FNAE, Department of Electrical Engineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7422, Mobile: 90045 52983, Fax (022) 2572 3707, email: agarwal@ee.iitb.ac.in, URL: <https://www.ee.iitb.ac.in/~agarwal/>, sp. electrical engineering; power electronics; renewable energy & power quality.
- 2012 **Aggarwal**, Amita, b. 1960, MD (AIIMS), D.M. (Lucknow), FNASc, FAMS, Department of Clinical Immunology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow 226 014, Tel. Off. (0522) 249 4296, Res. (0522) 249 4410, Mobile: 94735 84267, Fax (0522) 266 8017, email: aa.amita@gmail.com, sp. clinical immunology; rheumatology; lupus; juvenile arthritis.
- 2007 **Aggarwal**, Rakesh, b. 1961, MD (AIIMS), DM (Chandigarh), FNASc, FAMS, FNA, Director, Jawaharlal Institute of Postgraduate Medical Education & Research, Dhanvantri Nagar, Gorimedu, Puducherry 605 006, Tel. Off. (0413) 229 6002; (0413) 227 2901, email: director@jipmer.edu.in, sp. gastrointestinal & liver diseases; viral hepatitis, epidemiology; health economics; immunisation; public health.
- 2019 **Agrawal**, Anurag, b. 1972, Ph.D. (Delhi), FNA, Director, CSIR–Institute of Genomics and Integrative Biology, Mall Road, Delhi 110 007, Tel. Off. (011) 2766 7298; (011) 2766 7578, Mobile: 98184 51946, email: a.agrawal@igib.res.in; director@igib.res.in, URL: <https://www.igib.res.in/?q=director>, sp. pulmonary disease; intelligent systems.
- 1975 **Agrawal**, Hari Om, b. 1936, D.Sc. (Holland), FNASc, Res. Sri Laxman Bhavan, 20/2, Indiranagar, Lucknow 226 016, Tel. (0522) 234 1586, Mobile: 93897 90504, sp. virology; microbiology; environmental sciences; biotechnology.
- 10
- 2004 **Agrawal**, Manindra, b. 1966, Ph.D. (IIT, Kanpur), FNA, FNASc, FNAE, FTWAS, N Rama Rao Professor, Department of Computer Science, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7338, Res. (0512) 259 8363, Mobile: 99350 62605, Fax (0512) 259 7586, email: manindra@iitk.ac.in, URL: www.cse.iitk.ac.in/users/manindra, sp. computational complexity theory; computation number theory. **Council Service:** 2016–; Vice-President: 2016–.

- Elected
Year
- 1990 **Agrawal**, Prahlad Chandra, b. 1941, Ph.D. (Bombay), FNASc, Res. 405, Vigyan, Scientists' CHS, Plot No. 23, Sector 17, Vashi, Navi Mumbai 400 703, Tel. (022) 2789 9894, Mobile: 98673 43442, email: prahlad.agrawal@gmail.com; agrawal@cbs.ac.in, sp. X-ray astronomy; experimental high energy astrophysics.
- 2015 **Agrewala**, Javed Naim, b. 1961, Ph.D. (Agra), FNASc, FNA, JC Bose National Fellow, Bhatnagar Laureate, Centre for Biomedical Engineering, Indian Institute of Technology-Ropar, Rupnagar 140 001, Tel. Off. (01881) 23 0150, Mobile: 94178 69408, email: jagrewala@iitrpr.ac.in; jagrewala@gmail.com, URL: <http://www.iitrpr.ac.in/javed/>, sp. immunology; vaccines; drug discovery; gut microbiota.
- 1978 **Ahluwalia**, Jagdish Chander, b. 1935, Ph.D. (Purdue), FNA, Res. 186, SFS Apartments, Hauz Khas, New Delhi 110 016, Tel. (011) 2656 4519, Mobile: 92137 36359, email: jcahluwalia@yahoo.in, sp. thermodynamics of biopolymers & surfactants in solutions; solute-solvent interactions.
- 2004 **Ahmad**, Talat, b. 1955, Ph.D. (JNU), FNA, FNASc, JC Bose National Fellow, Vice Chancellor, University of Kashmir, Hazratbal, Srinagar 190 006, Tel. Off. (0194) 227 2000, Mobile: 70516 66707, Fax (0194) 227 2086, email: tahmad001@gmail.com; tahmad001@yahoo.co.in, sp. igneous petrology; geochemistry; Himalayan geology.
- 2007 **Ajayaghosh**, Ayyappanpillai, b. 1962, Ph.D. (Calicut), FNA, FTWAS, Director, CSIR-National Institute for Interdisciplinary Science & Technology, Industrial Estate Post, Thiruvananthapuram 695 019, Tel. Off. (0471) 249 0324; (0471) 249 3599, Res. (0471) 249 1592, Mobile: 94460 59059, Fax (0471) 249 1712, email: ajayaghosh@niist.res.in, URL: <http://niist.saturn.co.in/english/scientists/ajayaghosh-a/personal.html>, sp. organic functional materials; molecular self-assembly; organogels; molecular probes; pi-conjugated systems.
- 2013 **Ali**, Nahid, b. 1956, Ph.D. (Calcutta), FNASc, FNA, FTWAS, JC Bose National Fellow & INSA Emeritus Scientist, CSIR-Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2499 5757, Res. (033) 2328 0176, Mobile: 98300 34759, Fax (033) 2473 5197, email: nali@iicb.res.in; nahidali28@yahoo.in, URL: <http://iicb.res.in/divisionwiselistofscientists/id/nali.html>, sp. biochemistry; immunology; parasitology.

Elected
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- 2005 **Ali**, Sher, b. 1955, Ph.D. (Delhi), FNA, FNASc, JC Bose National Fellow, Director, Center for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, Jamia Nagar, New Delhi 110 025, Tel. Res. (011) 2674 1139, Mobile: 98180 04632, email: alis@jmi.ac.in, sp. molecular genetics of humans & animals; gene expression; cancer & toxicogenomics & genomics of endangered species.
- 1974 **Amarjit Singh**, b. 1924, Ph.D. (Harvard), Res. 12, Auburn Court, Vernon Hills, IL 60061, USA, Tel. (+1-847) 247 9260, email: amarjitsingh@ieee.org, sp. millimeter wave tubes; microwave tubes; microwave electronics.
- 1994 **Amritkar**, Ravindra Eknath, b. 1951, Ph.D. (Bangalore), FNASc, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Res. (079) 2685 7041, Mobile: 90166 26694, Fax (079) 2631 4900, email: ravin012@gmail.com, sp. nonlinear phenomena; chaos; statistical physics.
- 2011 **Anand**, Anuranjan, b. 1965, Ph.D. (IISc), FNASc, FNA, Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2804, Res. (080) 4099 5014, Mobile: 98458 04923, Fax (080) 2208 2766, email: anand@jncasr.ac.in, sp. human genetics and genomics; neurogenetics; developmental genetics.
- 1997 **Anand**, Gargeshwari Venkatasubbiah, b. 1943, Ph.D. (IISc), FNAE, MRD Chair Professor, PES University, Banashankari III Stage, Bengaluru 560 085, Tel. Off. (080) 2672 1983/838, Res. (080) 2361 1263, Fax (080) 2672 0886, email: gargeshwari.anand@gmail.com, sp. statistical signal processing; ocean acoustics; nonlinear dynamics.
- 1974 **Anand**, Nitya, b. 1925, Ph.D. (Mumbai & Cantab), FNA, FNASc, Res. Lumbini, B-62, Nirala Nagar, Lucknow 226 020, Tel. (0522) 404 3229, Mobile: 96700 66999, email: nityaanand1925@gmail.com, sp. organic chemistry; medicinal chemistry. **Council Service**: 1980–82.
- 995 **Ananthakrishna**, Garani, b. 1942, Ph.D. (Texas, Austin), FNA, Materials Research Centre, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2780, Res. (080) 4953 5791, Mobile: 99002 68902, Fax (080) 2360 0683, email: garani@iisc.ac.in; anantha.garani@gmail.com, sp. theoretical materials science; condensed matter; dynamical systems & chaos.

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- 1996 **Ananthkrishnan**, Subramaniam, b. 1944, Ph.D. (Bombay), FNA, FNASc, Adjunct Professor & INSA Honorary Scientist, Electronic Science Department, Savitribai Phule Pune University, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2569 9841, Res. 84460 81098, Fax (020) 2569 9841, email: ananth@electronics.unipune.ac.in; subra.anan@gmail.com, sp. radio science; extra-galactic radio astronomy; sun & solar wind; interferometry techniques & analog RF electronics.
- 2015 **Anil**, Arga Chandrashekar, b. 1959, Ph.D. (Karnatak), Chief Scientist, CSIR–National Institute of Oceanography, Dona Paula, Goa 403 004, Tel. Off. (0832) 245 0404, Res. (0832) 241 3765, Mobile: 94238 19755, Fax (0832) 245 0615, email: acanil@nio.org; anilac@gmail.com, sp. biological oceanography; marine ecology; marine biology.
- 1987 **Anil Kumar**, b. 1941, Ph.D. (IIT, Kanpur), FNA, FNASc, FTWAS, INSA Emeritus Scientist, Department of Physics, NMR Research Centre, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2724, Res. (080) 2366 2757, Mobile: 98454 21938, Fax (080) 2360 1550, email: anilnmr@iisc.ac.in, URL: <http://nrc.iisc.ernet.in/anil/>, sp. nuclear magnetic resonance spectroscopy & its applications to biomolecules and to quantum computing.
- 2001 **Anil Kumar**, b. 1955, Ph.D. (Pune), FNASc, FNA, JC Bose National Fellow, Physical & Materials Chemistry Division, CSIR–National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 2278, Res. (020) 4862 4169, Mobile: 98220 74509; 75070 53053, Fax (020) 2590 2636, email: dranilkumar1956@gmail.com; a.kumar@ncl.res.in, sp. chemical thermodynamics; physical organic chemistry; biophysical chemistry.
- 1999 **Antia**, Hormazad Maneck, b. 1955, Ph.D. (Bombay), FNA, Senior Professor, Astrophysics Group, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2514, Fax (022) 2280 4610, email: antia@tifr.res.in, URL: www.tifr.res.in/~antia, sp. solar physics; helioseismology; numerical techniques.
- 2016 **Anupama**, Gadiyara Chakrapani, b. 1961, Ph.D. (Bangalore), FNASc, Senior Professor, Indian Institute of Astrophysics, II Block, Koramangala, Bengaluru 560 034, Tel. Off. (080) 2254 1344, Res. (080) 6697 1304, Mobile: 98450 44770, email: gca@iiap.res.in, URL: <http://www.iiap.res.in/people/personnel/gca/gca.html>, sp. time domain astronomy; cataclysmic variables; supernovae; gamma-ray burst sources; active galactic nuclei.

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- 1980 **Appaji Rao**, Naropantul, b. 1934, Ph.D. (Rajasthan), FNA, Res. 9, Sharada Colony, Basaveshwara Nagar, Bengaluru 560 079, Tel. (080) 2348 6560, Mobile: 96118 35935, email: bcbcnar@gmail.com, sp. biochemistry; enzyme regulation; inborn errors of metabolism.
- 2008 **Apte**, Shree Kumar, b. 1952, Ph.D. (Gujarat), FNA, FNASc, FNAAS, JC Bose National Fellow, Distinguished Professor, UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai, Kalina Campus, Santacruz, Mumbai 400 098, Tel. Off. (022) 2653 0229, Res. (022) 2558 0177, Mobile: 98694 80205, Fax (022) 2653 2134, email: aptesk@cbs.ac.in, sp. molecular biology & biotechnology; physiology & biochemistry; stress biology of bacteria & plants.
- 2011 **Arakeri**, Jaywant Hanumappa, b. 1956, Ph.D. (Caltech), FNAE, Department of Mechanical Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3228, Res. (080) 2665 8865, Mobile: 77605 81256, Fax (080) 2360 0648, email: jaywant@iisc.ac.in, sp. fluid mechanics; heat transfer; turbulence.
- 1991 **Arakeri**, Vijay Hanumappa, b. 1945, Ph.D. (Caltech), Department of Mechanical Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2670; (080) 2293 2352, Res. (080) 2367 2267, Fax (080) 2360 0683, email: vijay.arakeri@gmail.com, sp. cavitation; hydrodynamics; two-phase flows.
- 2010 **Arankalle**, Vidya Avinash, b. 1952, Ph.D. (Bombay), FNA, Senior Scientist, Interactive Research School of Health Affairs, Bharati Vidyapeeth University, Katraj, Pune 411 043, Mobile: 93710 16417, email: varankalle@yahoo.com, sp. virology, molecular biology & vaccine; hepatitis viruses; emerging-re-emerging viruses.
- 2005 **Arora**, Baldev Raj, b. 1947, Ph.D. (Bombay), FNASc, Res. 36, Janakpuri, Engineers Enclave, Phase III, GMS Road, Dehradun 248 001, Mobile: 98973 91661, email: arorabr47@gmail.com, sp. electromagnetic geophysics; seismotectonics; earthquake precursors; geomagnetism.
- 1993 **Arunachalam**, Vaidheeswara, b. 1938, Ph.D. (Cambridge), FNA, FNASc, FNAAS, Res. Flat 1, Rams Bridgeview Apartments, 3, Central Avenue, Kodambakkam, Chennai 600 024, Tel. (044) 2472 4198, Mobile: 89391 39327, email: vaiarunachalam@hotmail.com, sp. quantitative & population genetics; plant breeding; biodiversity (participatory plant breeding).

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- 1979 **Arunachalam**, Vallampadugai Srinivasaraghavan, b. 1935, Ph.D. (Wales), D.Engg (h.c.), D.Litt. (h.c.), D.Sc. (h.c.), FNA, FNASc, FNAE, Chairman & Founder, Centre for Study of Science, Technology & Policy, Nagashettyhalli, Bengaluru; Res. Flat No. C-2502, Karle Zenith Apartments, Karle Town Centre, Kempapura, 100 Feet Main Road, Bengaluru 560 045, Tel. Off. (080) 6690 2509, Res. (080) 4375 8936, Mobile: 98801 44649, Fax (080) 2351 4269, email: vsa@cmu.edu; vsa@cstep.in, URL: www.cstep.in, sp. science, technology & public policy; materials science & engineering; energy technologies; defence technologies; information & communications technology for human development & application of infrastructure technologies to development. **Council Service:** 1983–85.
- 2009 **Arunan**, Elangannan, b. 1961, Ph.D. (Kansas State), FRSC, FNASc, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2828, Res. (080) 2962 0952, Mobile: 94498 21952, Fax (080) 2360 0282, email: arunan@iisc.ac.in; earunan@gmail.com URL: http://ipc.iisc.ac.in/arunan.php, sp. molecular & van der Waals spectroscopy; chemical kinetics & dynamics; hydrogen & other inter-molecular bonding; shock wave interactions with molecules/materials; astrochemistry/astrophysics.
- 2019 **Ashraf**, Mohammad Zahid, b. 1973, Ph.D. (JMI & Delhi), FNASc, Department of Biotechnology, Shrinivasa Ramanujan Block, Jamia Millia Islamia, Jamia Nagar, New Delhi 110 025, Tel. Off. (011) 2698 1717/3426, Res. (011) 2381 5024, Mobile: 98714 26706, Fax (011) 2698 0229, email: zashraf@jmi.ac.in, sp. high-altitude medicine; cardiovascular biology; translational biology.
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- 1974 **Athreya**, Krishna Balasundaram, b. 1939, Ph.D. (Stanford), Distinguished Professor Emeritus, Departments of Mathematics & Statistics, Iowa State University, Ames, Iowa 50011, USA, Tel. Off. (+1-515) 294 2617; (+1-515) 294 5864, Mobile: (+1-515) 779 1878, Fax (+1-515) 294 4040, email: kba@iastate.edu; kbathreya@gmail.com, sp. probability theory; stochastic processes; mathematical statistics.
- 2015 **Athreya**, Siva Ramachandran, b. 1971, Ph.D. (Washington), Theoretical Statistics & Mathematics Division, Indian Statistical Institute, RV College Post, Mysore Road, Bengaluru 560 059, Tel. Off. (080) 2698 5465, Mobile: 98862 93244, Fax (080) 2848 4265, email: athreya@isibang.ac.in, URL: http://www.isibang.ac.in/~athreya, sp. probability theory.

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Year

- 2010 **Awasthi**, Shally, b. 1958, MD (Lucknow), FNASc, FAMS, Department of Paediatrics, King Georges Medical University, Lucknow 226 003, Tel. Off. 92354 44824, Res. (0522) 401 1510, Mobile: 98392 21244, email: shally07@gmail.com, sp. paediatrics pulmonology; infectious & parasitic diseases; clinical trials.
- 1990 **Babu**, Cherukuri Raghavendra, b. 1940, D.Phil. (Calcutta), Distinguished Professor, Ambedkar University, Delhi; Professor Emeritus, Centre for Environmental Management of Degraded Ecosystems, Department of Environmental Studies, University of Delhi, Delhi 110 007, Tel. Off. (011) 2766 6237, Mobile: 98105 86709, Fax (011) 2766 6237, email: crb26@hotmail.com; crbabu26@gmail.com, sp. biosystematics; ecology; population genetics; biodiversity conservation.
- 1985 **Babu**, Padmanabhan, b. 1942, Ph.D. (Bombay), Res. No. 706, 7th Main, 11th Cross, J.P. Nagar III Phase, Bengaluru 560 078, Tel. (080) 2658 7933, Mobile: 98459 46753, email: pbabu0@gmail.com, sp. genetics & biotechnology.
- 2004 **Bachawat**, Anand Kumar, b. 1958, Ph.D. (Calcutta), FNA, FNASc, Indian Institute of Science Education and Research–Mohali, Knowledge City, Manauli P.O., SAS Nagar 140 306, Tel. Off. 98882 24948, Res. (0172) 269 0126, Fax (0172)224 0226, email: anand@iisermohali.ac.in, sp. microbial genetics; molecular genetics; microbial biochemistry.
- 2010 **Bag**, Amulya Kumar, b. 1937, Ph.D. (Calcutta), Res. A-5/B, SFS 217, Paschim Vihar, New Delhi 110 063, Tel. (011) 2525 3538, Mobile: 96540 23365, email: akbag99@gmail.com, sp. history of mathematics, astronomy & technology in India.
- 1998 **Bagchi**, Bhaskar, b. 1954, Ph.D. (ISI, Calcutta), Theoretical Statistics & Mathematics Unit, Indian Statistical Institute, RV College Post, Mysore Road, Bengaluru 560 059, Tel. Off. (080) 2848 3002-06/455, Res. (080) 2848 2009, Fax (080) 2848 4265, email: bbagchi@isibang.ac.in, sp. finite geometry; combinatorial topology; operator theory.
- 1991 **Bagchi**, Biman, b. 1954, Ph.D. (Brown), FNA, FNASc, FTWAS, Dean of Science, and Solid State & Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2926; (080) 2293 2336, Res. (080) 2360 0236, Mobile: 97407 23401, Fax (080) 2360 1310, email: bbagchi@iisc.ac.in, sp. physical & biophysical chemistry; statistical mechanics of liquids; molecular relaxation; chemical reaction dynamics in liquids & biological systems; glass transition.

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Year

- 2007 **Bajpai, Sunil**, b. 1961, Ph.D. (Panjab), FNASc, Head, Department of Earth Sciences, Indian Institute of Technology-Roorkee, Roorkee 247 667, Tel. Off. (01332) 28 5232, Fax (01332) 28 5638, email: sunilfes@iitr.ac.in; sunilbajpai2001@yahoo.com; sp. vertebrate paleontology; paleobiogeography; biostratigraphy; paleoecology. **Council Service:** 2016–18.
- 2020 **Bal, Chandra Sekhar**, b. 1960, M.D. (AIIMS, New Delhi), FNASc, FAMS, Head, Department of Nuclear Medicine, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 3530/3210, Res. 98683 97182, Mobile: 90137 75659, Fax (011) 2658 8641, email: drcsbal@gmail.com; csbal@hotmail.com, sp. therapeutic nuclear medicine; nuclear neurology; positron emission tomography in oncology.
- 2016 **Balaji, Kithiganahalli Narayanaswamy**, b. 1966, Ph.D. (IISc), FNASc, FNA, Department of Microbiology and Cell Biology, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3223, Res. (080) 2661 5625, Mobile: 81975 09682, email: balaji@iisc.ac.in, URL: <http://mcbl.iisc.ac.in/balaji/>, sp. immunology; infectious diseases.
- 2007 **Balaji, Vikraman**, b. 1962, Ph.D. (Madras), FNA, Chennai Mathematical Institute, H1, SIPCOT IT Park, Siruseri, Kelambakkam, Chennai 603 103, Tel. Off. (044) 3298 3441-2, Res. (044) 2235 2556, Mobile: 98843 92556, email: balaji@cmi.ac.in, sp. algebraic geometry; representation theory; topology.
- 1994 **Balakrishnan, Narayanaswamy**, b. 1950, Ph.D. (IISc), FNAE, FNA, FNASc, FTWAS, Supercomputer Education & Research Centre, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 0325, Res. (080) 2351 6160, Fax (080) 2293 3438, email: balki@iisc.ac.in, URL: <http://www.serc.iisc.ac.in/faculty/prof-n-balakrishnan/>, sp. numerical electromagnetics; information security; complex networks; aerospace electronic systems. **Council Service:** 1998–2006; Secretary: 1998–2003, Treasurer: 2004–06.
- 1985 **Balakrishnan, Venkataraman**, b. 1943, Ph.D. (Brandeis), Department of Physics, Indian Institute of Technology–Madras, Chennai 600 036, Tel. Off. (044) 2257 5879, Res. (044) 2431 0387, Mobile: 94444 42927, email: venkataraman.balakrishnan@gmail.com, sp. statistical physics; stochastic processes; classical and quantum dynamics.

Elected
Year

- 2009 **Balaram**, Hemalatha, b. 1956, Ph.D. (IISc), Molecular Biology & Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2812, Res. (080) 2334 0962, Mobile: 99721 77547, Fax (080) 2208 2766, email: hb@jncasr.ac.in, sp. biochemistry; molecular enzymology; molecular parasitology.
- 1981 **Balaram**, Padmanabhan, b. 1949, Ph.D. (Carnegie-Mellon), FNA, FNASc, DST Year of Science Chair Professor, National Centre for Biological Sciences, Bengaluru; Emeritus Professor, Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Res. (080) 2334 0962, Mobile: 99450 43004, email: pb@iisc.ac.in, sp. bioorganic chemistry; molecular biophysics. **Council Service**: 1995–2000.
- 1994 **Balasubramanian**, Aiyalam Subramania, b. 1937, Ph.D. (Kerala), FAMS, Res. 16/7A, First New Street, Thirunagar, Vellore 632 006, Tel. (0416) 224 6260, email: asbala7@gmail.com, sp. biochemistry; neurochemistry; enzymology.
- 1981 **Balasubramanian**, Dorairajan, b. 1939, Ph.D. (Columbia), FNA, FNASc, FTWAS, FAAAS, Fellow, German Academy of Sciences, Chevalier de Ordre National du Merite (France), Director of Research, Hyderabad Eye Research Foundation, LV Prasad Eye Institute, LV Prasad Marg, Banjara Hills, Hyderabad 500 034, Tel. Off. (040) 2354 3652; (040) 6810 2501, Mobile: 98850 19922, Fax (040) 2354 8271, email: dbala@lvpei.org, sp. biophysical chemistry; bio-chemistry of eye diseases; public understanding of science. **Council Service**: 2001–12, Vice-President: 2004–06, President: 2007–09.
- 1991 **Balasubramanian**, Kalpattu Kuppusamy, b. 1939, Ph.D. (Madras), FNA, Res. New 47, (Old 24), Padmanabha Nagar, 5th Street, Adayar, Chennai 600 020, Tel. (044) 2446 1595, Mobile: 94449 10297, email: kkbadayar@gmail.com; kkbalu@hotmail.com, sp. molecular rearrangements; carbohydrate chemistry; organic electrophotochemistry; synthetic organic chemistry; heterocyclic chemistry.
- 60
- 2002 **Balasubramanian**, Kunissery Ananthasubramanian, b. 1945, Ph.D. (Madras), FNASc, FAMS, Res. No. 49, Guruthoppu, Phase I, II Street, Sathuvachari, Vellore 632 009, Tel. Off. (0416) 228 2052, Res. (0416) 225 2879, Mobile: 94872 28314, Fax (0416) 228 2486, email: wbalu@hotmail.com, sp. oxidative stress; gastrointestinal mucosa; pathophysiology.

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- 1987 **Balasubramanian**, Ramachandran, b. 1951, Ph.D. (Bombay), FNA, FNASc, Professor Emeritus, INSA Distinguished Professor, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3262, Res. (044) 2259 1626, Fax (044) 2254 1586, email: balu@imsc.res.in, sp. analytic number theory. **Council Service:** 2007–09.
- 2012 **Balasubramanian**, Sundaram, b. 1966, Ph.D. (IISc), Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2808, Res. (080) 2356 6297, Mobile: 94482 87708, Fax (080) 2208 2766, email: jncbala@gmail.com, sp. molecular simulations; computational chemistry; ionic liquids; supra-molecular polymers.
- 1974 **Bambah**, Ram Prakash, b. 1925, Sc.D. (Cantab), D.Sc. (h.c.), FNA, FNASc, FTWAS, Res. 1275, Sector 19B, Chandigarh 160 019, Tel. (0172) 272 4863, Mobile: 94172 24863, email: bambahrp@rediffmail.com, sp. number theory; discrete geometry.
- 2020 **Bandyopadhyay**, Bijnan, b. 1956, Ph.D. (IIT, Delhi), FNAE, FNASc, Systems and Control Engineering Group, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7889, Res. (022) 2572 4424, Mobile: 96198 77889, Fax (022) 2572 0057, email: bijnan@sc.iitb.ac.in; bijnanbandyopadhyay@gmail.com, URL: <https://www.sc.iitb.ac.in/~bijnan/>, sp. electronics & telecommunication engineering; control systems; variable structure & sliding mode control.
- 2013 **Bandyopadhyay**, Uday, b. 1964, Ph.D. (Jadavpur), FNASc, FNA, JC Bose National Fellow, Director, Bose Institute, Kolkata; Senior Principal Scientist, Division of Infectious Diseases and Immunology, CSIR–Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 3491, Res. (03212) 22 7933, Mobile: 94740 03048, Fax (033) 2473 5197, email: ubandyo_1964@yahoo.com, sp. free radical biology & apoptosis; gastric pathophysiology, malaria & antimalarials.
- 2015 **Banerjee**, Arindam, b. 1966, Ph.D. (IISc), FRSc, Senior Professor, School of Biological Sciences, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1504, Res. (033) 2381 8096, Mobile: 96744 82237, Fax (033) 2473 2805, email: bcab@iacs.res.in; arindamkol1966@gmail.com, URL: <http://www.iacs.res.in/biochem/bcab/>, sp. bio-organic chemistry; molecular assembly; soft materials & hybrid nano materials.

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1992	Banerjee , Dipankar, b. 1952, Ph.D. (IISc), FNA, FNAE, FNASc, Honorary Professor, Department of Materials Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2558, Res. (080) 2343 5893, Fax (080) 2360 6742, email: dbanerjee@iisc.ac.in, sp. metallurgy; titanium alloys; electron microscopy.
2020	Banerjee , Dipankar, b. 1965, Ph.D. (Bangalore), Director, Aryabhata Research Institute of Observational Sciences, Manora Peak, Nainital 263 001, Tel. Off. (05942) 23 5136, Res. (05942) 23 5053, Mobile: 94489 08461, Fax (05942) 23 3439, email: dipu@aries.res.in, URL: https://www.iiap.res.in/people/personnel/dipu/ , sp. astrophysics; solar physics; plasma physics.
1991 70	Banerjee , Kalyan, b. 1937, Ph.D. (Calcutta), FNA, FAMS, FNASc, Res. A-1-A/5-6, Sopan Baug, Opp. Mantri Avenue, NCL Road, Pashan, Pune 411 008, Mobile: 88885 38970, email: dr_k_banerjee20@yahoo.co.in, sp. virology; epidemiology; immunology of viral diseases.
1993	Banerjee , Ranajit Kumar, b. 1944, Ph.D. (Calcutta), FNASc, FNA, Res. "Nature's Nest", Flat No. 1G, 140, PGH Shah Road, Kolkata 700 032, Tel. (033) 2413 0396, Mobile: 98303 37787, email: ranajit_banerjee@rediffmail.com; ranajitb@yahoo.com, sp. molecular enzymology; membrane biochemistry; cell biology.
2020	Banerjee , Rinti, b. 1972, Ph.D. (IIT, Mumbai), Department of Biosciences & Bioengineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7868, Mobile: 98196 32131, email: rinti@iitb.ac.in; rintibanerjee@gmail.com, URL: http://www.bio.iitb.ac.in/~rbanerjee/ , sp. drug delivery; nanomedicine; biomaterials.
2006	Banerjee , Soumitro, b. 1960, Ph.D. (IIT, Delhi), FNA, FNAE, FTWAS, FIEEE, Department of Physical Sciences, Indian Institute of Science Education and Research–Kolkata, Mohanpur 741 246, Tel. Res. (033) 2502 5380, Mobile: 94325 98503, email: soumitro@iiserkol.ac.in; soumitro.banerjee@gmail.com, URL: http://www.iiserkol.ac.in/people/faculty/dps/soumitro , sp. nonlinear dynamics; switching dynamical systems.
1990	Banerjee , Srikumar, b. 1946, Ph.D. (IIT, Kharagpur), FNA, FNAE, FNASc, FTWAS, Chancellor, Homi Bhabha National Institute, Bhabha Atomic Research Centre, Central Complex, Trombay, Mumbai 400 085, Tel. Off. (022) 2550 5333, Res. (022) 2754 9099, Fax (022) 2550 5333, email: sbanerjee@barc.gov.in, sp. materials science; physical metallurgy; phase transformations; nuclear materials; nuclear fuel cycle; reactor engineering. Council Service: 2007–2012; Vice-President: 2010–2012.

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Year

- 2002 **Banerjee**, Sunanda, b. 1952, Ph.D. (London), FNA, Fermilab, Illinois, USA; Res. 37/1 Beadon Street, Kolkata 700 006, Tel. Off. (+1-630) 840 6899, Res. (033) 2555 8173, Mobile: 84202 00288, email: sunanda.banerjee@cern.ch; sunanda@fnal.gov, sp. experimental high energy physics.
- 1998 **Bansal**, Manju, b. 1950, Ph.D. (IISc), FNASc, FNA, JC Bose National Fellow, INSA Senior Scientist, Molecular Biophysics Unit, Indian Institute of Science, Bengaluru; Res. 103, 1st Main Road, AECS Layout, Sanjaynagar, Bengaluru 560 094, Tel. Off. (080) 2293 2534, Res. (080) 2341 9971, Mobile: 98452 37560, Fax (080) 2360 0535, email: mb@iisc.ac.in, URL: <http://nucleix.iisc.ac.in>, sp. computational structural biology; computational genome analysis; biomolecular modelling.
- 2000 **Bapat**, Ravindra Bhalchandra, b. 1954, Ph.D. (Illinois), FNA, INSA Senior Scientist, Indian Statistical Institute, 7, SJS Sansanwal Marg, New Delhi 110 016, Tel. Off. (011) 4149 3934, Res. (011) 4987 5271, Fax (011) 4149 3981, email: rbb@isid.ac.in; rbbapat@rediffmail.com, sp. algebraic graph theory; generalized inverses.
- 2015 **Bapat**, Sharmila Avadhut, b. 1965, Ph.D. (Pune), FNASc, Scientist F, National Centre for Cell Science, NCCS Complex, Pune University Campus, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2570 8089, Mobile: 99215 12020, email: sabapat@nccs.res.in, URL: <http://www.nccs.res.in/bapat1.html>, sp. cancer biology.
Council Service: 2019–.
- 1991 **Barma**, Mustansir, b. 1950, Ph.D. (SUNY, Stony Brook), Professor Emeritus, Tata Institute for Fundamental Research, 36/P, Gopanpally, Hyderabad 500 107, Tel. Off. (040) 2020 3084, Res. (040) 6776 8504, email: barma@tifrh.res.in, URL: <http://www.tifrh.res.in/~barma/>, sp. statistical physics.
- 2020 **Barman**, Anjan, b. 1969, Ph.D. (Jadavpur), SN Bose National Centre for Basic Sciences, JD Block, Sector 3, Salt Lake, Kolkata 700 106, Tel. Off. (033) 2335 5706-08, Res. (033) 4005 2068, Mobile: 90078 89881, Fax (033) 2335 3477, email: abarman@bose.res.in; a_barman@yahoo.com, URL: <https://ufnml.weebly.com>, sp. experimental condensed matter physics; magnetism & spintronics, ultrafast & high frequency spectroscopy & dynamics.
- 80
- 1987 **Barua**, Asok Kumar, b. 1936, Ph.D. (Calcutta), D.Sc. (h.c.), Res. 12, Green Park, Narendrapur, Kolkata 700 103, Tel. (033) 2477 2033, Mobile: 98300 59351, email: baruaasok@gmail.com, sp. solid state materials; thin film technology; thin film solar cells.

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Year

- 2006 **Basak, Amit**, b. 1952, Ph.D. (Calcutta), D.Phil. (Oxon), FNA, FNASc, JC Bose National Fellow, Department of Chemistry and Head, School of Bioscience, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 3300, Res. (03222) 28 3301, Mobile: 94340 13294, Fax (03222) 28 2252, email: absk@chem.iitkgp.ernet.in, sp. DNA-interacting agents; diradical chemistry; asymmetric synthesis; enzymology; capture chemistry.
- 1997 **Basavaiah, Deevi**, b. 1950, Ph.D. (Banaras), FNA, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4812, Mobile: 99490 93977, Fax (040) 2301 2460, email: basavaiahchem@uohyd.ac.in; basavaiahdeevi@gmail.com, URL: <http://chemistry.uohyd.ac.in/~db/index.html>, sp. organic chemistry: Baylis–Hillman chemistry; chiral catalysis.
- 1989 **Baskaran, Ganapathy**, b. 1948, Ph.D. (IISc), FNA, FTWAS, Distinguished Visiting Research Chair, Perimeter Institute for Theoretical Physics, Waterloo, Ontario, Canada; The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3303, Res. (044) 2451 0504, Fax (044) 2254 1586, email: baskaran@imsc.res.in, sp. theoretical physics; strongly correlated electronic systems; quantum processes in biology. **Council Service:** 2013–15.
- 2013 **Baskaran, Sundarababu**, b. 1961, Ph.D. (IIT, Kanpur), FNA, Department of Chemistry, Indian Institute of Technology–Madras, Chennai 600 036, Tel. Off. (044) 2257 4218, Res. (044) 2257 6218, Mobile: 98401 30685, Fax (044) 2257 0545, email: sbhaskar@iitm.ac.in, URL: <http://chem.iitm.ac.in/faculty/baskaran>, sp. development of new synthetic methods; green synthesis; synthesis of biologically active natural products.
- 2018 **Basu, Anirban**, b. 1968, Ph.D. (Jadavpur), FNASc, FNA, Scientist VI, National Brain Research Centre, Manesar 122 052, Tel. Off. (0124) 284 5225, email: anirban.nbrc@gmail.com, URL: <http://w9.nbrc.ac.in/newweb/research/groups/anirban-basu>, sp. neurobiology; neurovirology; molecular medicine; drug repurposing.
- 2020 **Basu, Bikramjit**, b. 1973, Ph.D. (KUL, Belgium), FNAE, FNASc, FAMS, Materials Research Centre, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3256, Mobile: 94825 70341, Fax (080) 2360 7316, email: bikram@iisc.ac.in, URL: <http://bikramjitbasu.in/>, sp. biomedical engineering; engineering ceramics & coatings; solar reflector/absorber materials.

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- 2006 **Basu, Joyoti**, b. 1957, Ph.D. (Calcutta), FNASc, FNA, FTWAS, JC Bose National Fellow, Department of Chemistry, Bose Institute, 93/1, Acharya Prafulla Chandra Road, Kolkata 700 009, Tel. Off. (033) 2303 1144; (033) 2303 1153, Res. (033) 2475 3293, Mobile: 98300 44776, Fax (033) 2350 6790, email: joyotibas@gmail.com, sp. molecular microbiology; mycobacteria; host-pathogen interactions.
- 1996 **Basu, Mukul Kumar**, b. 1939, Ph.D. (Jadavpur), FNASc, FRSC (London), Res. 'Punascha', 19/D, Dr Rajendra Road, Kolkata 700 020, Tel. (033) 2475 0958, email: mukulbasu@yahoo.com; mukulbasu@gmail.com, sp. structure functions of bio-membranes; design & testing of targeted delivery systems; host-parasite interactions.
- 1992 **Basu, Sandip Kumar**, b. 1944, Ph.D. (Calcutta), FNASc, FNA, FTWAS, Res. FD 426, Sector 3, Bidhan Nagar, Kolkata 700 106, Mobile: 98914 98821; 96749 02629, email: sandipbasu@gmail.com, sp. biochemistry; molecular biology & microbial genetics; cell biology.
90 **Council Service:** 1995–97.
- 2005 **Batra, Janendra Kumar**, b. 1957, Ph.D. (Delhi), FNASc, Dean (Academics) and Head, Department of Biochemistry, School of Chemical and Life Sciences, Jamia Hamdard, New Delhi 110 062, Tel. Off. (011) 2605 9688/5513, Mobile: 98714 99411, Fax (011) 2605 9663, email: jkbatra@jamiahamdard.ac.in, URL: http://www.jamiahamdard.ac.in/profile_bio_chem/Profile_J_batra.pdf, sp. molecular biology; biochemistry & protein chemistry.
- 2009 **Beig, Gufran-Ullah**, b. 1961, Ph.D. (PRL), Scientist G and Project Director, SAFAR, Indian Institute of Tropical Meteorology, Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 4261, Res. (020) 2295 3145, Fax (020) 2586 5142, email: beig@tropmet.res.in, URL: <http://safar.tropmet.res.in/beig>, sp. atmospheric sciences; atmospheric chemistry & air pollution; environment and chemical-climate change; air quality forecasting, health impacts of pollution.
- 2014 **Bera, Jitendra Kumar**, b. 1968, Ph.D. (IITK), Department of Chemistry, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 679 7336, Res. (0512) 679 8450, Mobile: 99563 90490, Fax (0512) 679 6806, email: jbera@iitk.ac.in, URL: <http://home.iitk.ac.in/~jbera/>, sp. organometallic chemistry; small molecule activation; catalysis.

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- 1989 **Bhaduri**, Sumit, b. 1948, Ph.D. (Cambridge), FNA, Res. 562, Adenwala Road, Rustom Mansion, Mumbai 400 019, Tel. (022) 2415 0255, email: bhaduri.sumit@gmail.com; sbhaduri26@hotmail.com, sp. inorganic chemistry; organometallic chemistry; catalysis.
- 1983 **Bhakuni**, Dewan Singh, b. 1930, Ph.D. and D.Sc. (London), FNA, FNASc, Res. C-132, Nirala Nagar, Lucknow 226 020, Tel. (0522) 278 8517, sp. natural products; bio-organic; bio-synthesis; nucleosides; medicinal chemistry.
- 2008 **Bhalla**, Upinder Singh, b. 1963, Ph.D. (Caltech), FNA, National Centre for Biological Sciences, GKVK Campus, Bellary Road, Bengaluru 560 065, Tel. Off. (080) 2366 6130, Res. (080) 2362 4030, Fax (080) 2363 6662, email: bhalla@ncbs.res.in, sp. systems biology; computational neuroscience; systems neurobiology.
- 1990 **Bhandari**, Narendra, b. 1941, Ph.D. (Bombay), FNA, FNASc, Science and Spirituality Research Institute, Ahmedabad; Res. 2, Nilima Flats, Nilima Park Society, Vijay Crossing, Navrangpura, Ahmedabad 380 009, Tel. Res. (079) 2791 2332, Mobile: 98240 77890, email: nnbhandari@yahoo.com, URL: <http://www.nbhandari.com>, sp. planetary sciences; nuclear geo-physics; exploration of moon & mars.
- 2015 **Bhandari**, Nita, b. 1955, Ph.D. (JNU), President and Director, Centre for Health Research and Development, Society for Applied Studies, 45, Kalu Sarai, New Delhi 110 016, Tel. Off. (011) 4604 3751-55, Res. (011) 2601 3098, Mobile: 98991 44123, Fax (011) 4604 3756, email: nita.bhandari@sas.org.in, sp. nutrition-infection interaction; maternal and child health; clinical evaluation of vaccine.
- 2004 **Bhanu Sankara Rao**, Kota, b. 1947, Ph.D. (Madras), FNAE, Associate Director, Indira Gandhi Centre for Atomic Research, Kalpakkam; Pratt & Whitney Chair Professor, School of Engineering Sciences and Technology, University of Hyderabad, Hyderabad 500 046, Mobile: 94933 30125, email: kota.bhanu@gmail.com; kbsrset@uohyd.ac.in, sp. mechanical metallurgy; physical metallurgy; materials development; welding science & technology.
- 1998 **Bharadwaj**, Parimal Kanti, b. 1951, Ph.D. (IIT, Kharagpur), FNA, Distinguished Visiting Professor, Department of Chemistry, Indian Institute of Technology-Bombay, Mumbai; Department of Chemistry, Indian Institute of Technology-Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7340; (0512) 259 7034, Res. (0512) 259 8324, Fax (0512) 259 0007, email: pkb@iitk.ac.in, sp. supramolecular chemistry; inorganic chemistry; X-ray crystallography.

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Year
- 2020 **Bharatam**, Venkata Rama Surya Subrahmanya Visweswara Prasad, b. 1962, Ph.D. (Hyderabad), FRSC, Department of Medicinal Chemistry, National Institute of Pharmaceutical Education and Research, Sector 67, Mohali, SAS Nagar 160 062, Tel. Off. (0172) 229 2018, Res. 94175 03172, Mobile: 98771 62377, Fax (0172) 221 4692, email: pvbharatam@niper.ac.in; bharatampv@yahoo.com, URL: www.niper.gov.in/pvbharatam.pdf, sp. organic synthesis of computationally designed compounds; theoretical organic chemistry; pharmacoinformatics.
- 2009 **Bhardwaj**, Anil, b. 1967, Ph.D. (Banaras), FNA, FNASc, Director, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4855; (079) 2631 4854, Res. (079) 2630 1527, Mobile: 99471 49290, Fax (079) 2630 0374, email: abhardwaj@prl.res.in; bhardwaj_spl@yahoo.com, URL: www.prl.res.in/~abhardwaj, sp. planetary & space sciences; planetary observations and missions & solar system science and exploration.
- 2018 **Bhargava**, Balram, b. 1961, MD & DM (Lucknow), FRCP (Glasgow & Edinburgh), FNASc, FAMS, Department of Cardiology, Cardiothoracic Centre, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 3531, Res. (011) 4175 0574, Mobile: 98111 32407, Fax (011) 2658 8641, email: balrambhargava@yahoo.com, sp. cardiology; medtech innovation; public health.
- 2010 **Bhargava**, Purnima, b. 1955, Ph.D. (Banaras), FNASc, CSIR–Centre for Cellular & Molecular Biology, Uppal Road, Tarnaka, Hyderabad 500 007, Tel. Off. (040) 2719 2603, Fax (040) 2716 0591, email: purnima@ccmb.res.in; purnimabhargava2@gmail.com, sp. biochemistry & molecular biology; eukaryotic transcription; epigenetics & chromatin.
- 2006 **Bhat**, Badekkila Venkatramana Rajarama, b. 1966, Ph.D. (ISI, Bangalore), FNA, Statistics & Mathematics Unit, Indian Statistical Institute, RV College Post, Mysore Road, Bengaluru 560 059, Tel. Off. (080) 2698 5470, Res. (080) 2698 5504, Mobile: 98442 21578, Fax (080) 2848 4265, email: bhat@isibang.ac.in, URL: www.isibang.ac.in/~bhat/, sp. quantum probability; operator algebras; operator theory.
- 2006 **Bhat**, Ganapati Shankar, b. 1957, Ph.D. (IISc), Centre for Atmospheric & Oceanic Sciences, Indian Institute of Science, Bengaluru 560 012, Tel. Res. (080) 2347 3340, Mobile: 94498 24340, Fax (080) 2360 0865, email: bhat@iisc.ac.in, URL: http://caos.iisc.ac.in/person.php?type=Faculty, sp. tropical convection; atmospheric boundary layer; field experiments; ocean–atmosphere coupling.

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- 1997 **Bhat**, Subray Venkatraman, b. 1945, Ph.D. (IISc), FNASc, FNA, NASI Senior Scientist, Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2727; (080) 2360 0880, Res. (080) 2341 0312, Mobile: 98455 57534, Fax (080) 2360 2602, email: svbhat@iisc.ac.in; svbhat1@gmail.com, sp. experimental condensed matter physics; electron paramagnetic resonance; solid state NMR; magnetism & physics of glass transitions.
- 1984 **Bhatia**, Chittranjan, b. 1936, Ph.D. (IARI), FNA, FNAAS, FNASc, FTWAS, Res. No. 17, Rohini, Plot No. 29-30, Sector 9A, Vashi, Navi Mumbai 400 703, Tel. (022) 2765 5178, Mobile: 98205 02810, email: crbhatia.bhatia@gmail.com, sp. plant genetics; plant breeding; biotechnology.
- 1993 **Bhatia**, Rajendra, b. 1952, Ph.D. (ISI), FNA, FNASc, FTWAS, Professor of Mathematics, Ashoka University, Sonapat 131 029, email: rajendra.bhatia@ashoka.edu.in; rajenbhatia@gmail.com, sp. analysis; operator theory; matrix analysis and applications. **Council Service**: 2013–15.
- 1993 **Bhatia**, Suresh Kumar, b. 1952, Ph.D. (Pennsylvania), Fellow, Australian Academy of Technological Sciences and Engineering, School of Chemical Engineering, The University of Queensland, St. Lucia, Brisbane, QLD 4072, Australia, Tel. Off. (+61-7) 3365 4263, Res. (+61-7) 3376 6429, Mobile: (+61-4) 1268 4655, Fax (+61-7) 3365 4199, email: s.bhatia@uq.edu.au, sp. transport & reaction in nanostructured porous media; adsorption; mathematical modelling.
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- 2011 **Bhatnagar**, Rakesh, b. 1951, Ph.D. (NSI, Kanpur), FNA, FNASc, Vice Chancellor, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 236 8938, Res. (0542) 236 8339, Mobile: 99711 52004, Fax (0542) 236 9100, email: vc@bhu.ac.in; rakeshbhatnagar@jnu.ac.in, URL: <http://www.bhu.ac.in/admin/vc.php>, sp. vaccine development; genetic engineering; molecular biology.
- 2019 **Bhatnagar**, Shalabh, b. 1968, Ph.D. (IISc), FNA, FNAE, Department of Computer Science and Automation, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2987, Res. (080) 2351 8822, Mobile: 98867 62402, Fax (080) 2360 2911, email: shalabh@iisc.ac.in, URL: www.csa.iisc.ac.in/~shalabh/, sp. stochastic approximation algorithms; optimization & control of random dynamical systems; smart grids; wireless & vehicular traffic networks.

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Year
- 2010 **Bhatt**, Subhashchandra Jayantilal, b. 1949, Ph.D. (Gujarat), Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar 388 120, Tel. Res. (02692) 23 7115, Mobile: 96385 99826, email: subhashbhaib@gmail.com, sp. Banach & topological algebra; operator algebras & application; harmonic analysis.
- 1993 **Bhattacharjee**, Jayanta Kumar, b. 1952, Ph.D. (Maryland), FNASc, Distinguished Emeritus Fellow, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Mobile: 98307 47103; 99191 88606, email: jayanta.bhattacharjee@gmail.com, sp. critical phenomena; turbulence; nonlinear dynamics.
- 2000 **Bhattacharjee**, Somendra Mohan, b. 1957, Ph.D. (Carnegie Mellon), FNA, Department of Physics, Ashoka University, Rajiv Gandhi Education City, Sonapat 131 029, Tel. Off. (0130) 230 0799, Mobile: 94379 66448, email: somen@iopb.res.in, URL: www.iopb.res.in/~somen, sp. statistical physics; biological physics; condensed matter physics.
- 2015 **Bhattacharya**, Alok, b. 1951, Ph.D. (JNU), FNA, Department of Biology, Ashoka University, Rajiv Gandhi Education City, Sonapat 131 029, Mobile: 98108 81439, email: alok.bhattacharya@gmail.com; alok.bhattacharya@ashoka.edu.in, sp. molecular parasitology; computational genomics; rare genetic disorders.
- 2003 **Bhattacharya**, Dipankar, b. 1959, Ph.D. (IISc), Inter-University Centre for Astronomy & Astrophysics, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4210, Res. (020) 2560 4403, Mobile: 99236 97158, Fax (020) 2560 4699, email: dipankar@iucaa.in, URL: <http://www.iucaa.in/~dipankar/>, sp. high energy astrophysics; neutron stars; cosmic explosions. **Council Service:** 2007–09.
- 2006 **Bhattacharya**, Samaresh, b. 1960, Ph.D. (Jadavpur), Inorganic Chemistry Section, Department of Chemistry, Jadavpur University, Kolkata 700 032, Tel. Off. (033) 2414 6223, Res. (033) 2431 0998, Mobile: 98302 03354, Fax (033) 2414 6223, email: samaresh_b@hotmail.com; samaresh.chemistry@jadavpuruniversity.in, sp. inorganic chemistry; coordination chemistry; organometallic chemistry.
- 1996 **Bhattacharya**, Samir, b. 1942, Ph.D. (Calcutta), FNA, FNASc, Emeritus Professor, Centre for Advanced Studies in Zoology, School of Life Sciences, Visva-Bharati, Santiniketan 731 235, Mobile: 92325 67066; 94331 45002, email: bhattacharyasa@gmail.com, sp. comparative endocrinology; molecular signalling & molecular basis of disease.

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2000 120	Bhattacharya , Santanu, b. 1958, Ph.D. (Rutgers), FNA, FTWAS, JC Bose National Fellow, Director, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4688, email: director@iacs.res.in, sp. chemical biology; molecular theranostics; soft materials; supra-molecular analytical chemistry; nanoscience & nanotechnology.
1994	Bhattacharya , Sourendra Kumar, b. 1948, Ph.D. (Gujarat), FNASc, Res. 22, Pankajini Chatterjee Road, Tollygunge, Kolkata 700 033, Mobile: 90732 34602, email: skbhatta1@gmail.com, sp. isotope geochemistry; anomalous isotopic fractionation.
2001	Bhattacharya , Sudha, b. 1952, Ph.D. (IARI), FNASc, FNA, JC Bose National Fellow, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 110 067, Mobile: 98184 76740, email: sbjnu110@gmail.com, sp. molecular biology; molecular parasitology; genomics. Council Service: 2016–18.
2017	Bhattacharyya , Aninda Jiban, b. 1968, Ph.D. (Jadavpur), FNASc, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2616, Mobile: 99002 69068, Fax (080) 2360 1310, email: anindajb@iisc.ac.in, URL: http://sscu.iisc.ac.in/faculty/dr-aninda-j-bhattacharyya/ , sp. physical chemistry; materials chemistry; electrochemistry.
2007	Bhattacharyya , Archana, b. 1948, Ph.D. (Northwestern), FNASc, FNA, INSA Senior Scientist, Centre of Studies in Resources Engineering, Indian Institute of Technology-Bombay, Powai, Mumbai 400 076, Tel. Res. (022) 2772 2014, Mobile: 96195 43004, email: archana.bhattacharyya@gmail.com, sp. ionospheric physics; geomagnetism; space weather.
1993	Bhattacharyya , Bhabatarak, b. 1944, Ph.D. (Calcutta), FNA, FNASc, FTWAS, Raja Ramanna Fellow, Department of Biochemistry, Bose Institute, P-1/12, CIT Scheme, VII M, Kolkata 700 054, Tel. Off. (033) 2355 0256, Res. (033) 2422 3812, Fax (033) 2334 3886, email: bablu@jcbose.ac.in, sp. biophysical chemistry; biochemistry; molecular spectroscopy.
2015	Bhattacharyya , Gautam, b. 1966, Ph.D. (Calcutta), FNA, FNASc, JC Bose National Fellow, Saha Institute of Nuclear Physics, 1/AF, Bidhan Nagar, Kolkata 700 064, Tel. Off. (033) 2337 5345-49/2355, Res. (033) 2499 6314, Mobile: 94330 28531, Fax (033) 2337 4637, email: gautam.bhattacharyya@saha.ac.in; gautam.sinp@gmail.com, URL: http://www.saha.ac.in/web/theory-personal-page?mid=70&tab=tab1 , sp. particle physics phenomenology.

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Year
- 1997 **Bhattacharyya**, Kankan, b. 1954, Ph.D. (Calcutta), FNA, FNASc, FTWAS, Department of Chemistry, Indian Institute of Science Education and Research–Bhopal, Bhopal Bypass Road, Bhauri, Bhopal 462 066, Tel. Off. (0755) 669 1345, Mobile: 94330 71155; 82240 51722, Fax (0755)669 2392, email: kankan@iiserb.ac.in; kankan.bhattacharyya@gmail.com, sp. experimental physical chemistry; femtosecond laser spectroscopy; single molecule spectroscopy.
- 1993 **Bhattacharyya**, Sankar Prasad, b. 1948, Ph.D. (Calcutta), Visiting Professor, Indian Association for the Cultivation of Science, Kolkata; Res. 15A, DPP Road, Naktala, Kolkata 700 047, Tel. (033) 2381 8095, Mobile: 90512 85012, email: pcspb123@gmail.com; pcspb@iacs.res.in, sp. quantum chemistry.
- 2017 **Bhattacharyya**, Suvendra Nath, b. 1975, Ph.D. (Jadavpur), FNASc, Senior Principal Scientist, Molecular Genetics Division, CSIR–Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2499 5783, Res. (033) 2427 9515, Mobile: 98316 33460, Fax (033) 2473 5197, email: suvendra@iicb.res.in, URL: <https://www.iicb.res.in/faculty/suvendra-bhattacharyya/>, sp. biochemistry; molecular cell biology; RNA biology.
- 2016 **Bhattacharyya**, Tirthankar, b. 1968, Ph.D. (ISI), Department of Mathematics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2710, Res. (080) 2360 0273, Mobile: 94482 79673, Fax (080) 2360 0146, email: tirtha@iisc.ac.in, URL: <http://math.iisc.ac.in/~tirtha>, sp. Hilbert space operator theory; several complex variables; functional analysis.
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- 1998 **Bhatwadekar**, Shrikant Mahadeo, b. 1946, Ph.D. (Bombay), FNA, Visiting Professor, Bhaskaracharya Pratishthana, 56/14, Erandwane, Damale Path, Off Law College Road, Pune 411 004, Tel. Res. (020) 2542 8723, email: smbhatwadekar@gmail.com, sp. commutative algebra; algebraic geometry.
- 1986 **Bhawalkar**, Dilip Devidas, b. 1940, Ph.D. (Southampton), FNA, FNASc, Director, Quantalase Enterprises Pvt. Ltd, 26, Paramanu Nagar, Indore 452 013, Tel. Off. (0731) 232 2707, Res. (0731) 232 0031, Mobile: 93032 37573, email: ddbhawalkar@yahoo.com, sp. lasers & laser instrumentation.
- 1996 **Bhisey**, Rajani Avinash, b. 1941, Ph.D. (Bombay), FNA, Res. 7, Yug Prabhat Co-operative Housing Society, Sitaladevi Temple Road, Mahim, Mumbai 400 016, Tel. (022) 2446 7356, Mobile: 98334 21249, email: rajani.bhisey@gmail.com, sp. environmental carcinogenesis; molecular epidemiology of cancer; occupational hazards in bidi industry.

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Year
- 1982 **Bhonsle**, Rajaram Vishnu, b. 1928, Ph.D. (Gujarat), Res. B/1, Mahagaokar Complex, Rajaram Road, Kolhapur 416 001, Tel. (0231) 252 2138, Mobile: 98224 20140, email: bhonsle.rajaram@yahoo.in, sp. solar terrestrial physics; radio astronomy; space science.
- 2000 **Bhosle**, Ushadevi Narendra, b. 1949, Ph.D. (TIFR), FNASc, FNA, Res. Flat No. 256, Jal Vayu Towers, NGEF Layout, Benniganahalli, Bengaluru 560 038, Mobile: 88616 96296; 99306 41136, email: usha@math.tifr.res.in; usnabh07@gmail.com, sp. algebraic geometry.
- 2018 **Bhowmik**, Santanu Kumar, b. 1966, Ph.D. (Jadavpur), Department of Geology and Geophysics, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 3390, Res. (03222) 28 3391, Mobile: 94340 41791, Fax (03222) 28 2268, email: santanu@gg.iitkgp.ac.in; santanukbhowmik@gmail.com, sp. metamorphic petrology; accessory mineral petrology; tectonics.
- 2010 **Biswas**, Gautam, b. 1956, Ph.D. (IIT, Kharagpur), FNASc, FNAE, FNA, JC Bose National Fellow, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0521) 259 7656, Mobile: 88110 86524, Fax (0521) 259 7408, email: gtm@iitk.ac.in; gautam721b@gmail.com, URL: <http://home.iitk.ac.in/~gtm/>, sp. enhancement of heat transfer; computational fluid dynamics; boiling; drops and bubbles; turbulence & microfluidics. **Council Service:** 2019–.
- 2003 **Biswas**, Indranil, b. 1964, Ph.D. (Bombay), FNA, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2220, Res. (022) 2280 4832, Fax (022) 2280 4610-11, email: indranil@math.tifr.res.in, sp. algebraic geometry; differential geometry; deformation quantization.
- 2009 **Borges**, Renee Maria, b. 1959, Ph.D. (Miami), FNA, JC Bose National Fellow, Centre for Ecological Sciences, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 2972; (080) 2293 3103, Res. (080) 2341 7366, Fax (080) 2360 1428, email: renee@iisc.ac.in, sp. evolutionary biology & behavioural ecology; plant–animal & insect–fungus interactions; chemical ecology; sensory biology; multimodal signalling. **Council Service:** 2019–; **Secretary:** 2019–.

Elected
Year

- 1993 **Borkar**, Vivek Shripad, b. 1954, Ph.D. (UC, Berkeley), FNA, FNASc, FNAE, FIEEE, FTWAS, FAMS, Department of Electrical Engineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 9405, Res. (022) 2572 8619, Fax (022) 2572 3707, email: borkar.vs@gmail.com, sp. stochastic control theory; applied probability.
- 140
- 2006 **Bose**, Arup, b. 1959, Ph.D. (ISI, Calcutta), FNA, FNASc, JC Bose National Fellow, Statistics & Mathematics Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata 700 108, Tel. Off. (033) 2575 3409, Res. (033) 2429 8922, Mobile: 98304 96250, email: bosearu@gmail.com, URL: www.isical.ac.in/~abose, sp. probability; statistics; economics.
- 1989 **Bose**, Dwarka Nath, b. 1938, Ph.D. (Reading), FNASc, Honorary Visiting Professor, Department of Physics, St. Xaviers College, 30 Mother Teresa Sarani, Kolkata; Res. 7/2, Short Street, Kolkata 700 017, Tel. (033) 2287 5679, Mobile: 98308 57849, email: dwarkabose322@gmail.com, sp. semiconductor materials & devices; VLSI technology; optoelectronics; solar photo-voltaics.
- 2000 **Bose**, Indrani, b. 1951, Ph.D. (Calcutta), FNASc, Guest Scientist, Department of Physics, Bose Institute, 93/1, APC Road, Kolkata 700 009, Tel. Off. (033) 2303 1184, Res. (033) 2352 3723, Mobile: 98306 06901, Fax (033) 2350 6790, email: indrani@jcbose.ac.in; ibose1951@gmail.com, sp. theoretical condensed matter physics; statistical physics; biological physics & systems biology.
- 1990 **Bose**, Sujit Kumar, b. 1938, D.Sc. (Calcutta), Res. BE-188, Salt Lake City, Kolkata 700 064, Mobile: 94338 79408; 79805 77636, email: sujithkbose1@gmail.com; sujithkbose@yahoo.com, sp. applied mathematics; solid mechanics; fluid mechanics & sediment transport; scientific computation.
- 1991 **Brahmachari**, Samir Kumar, b. 1952, Ph.D. (IISc), FNA, FNASc, FNAE, FTWAS, CSIR–Institute of Genomics and Integrative Biology, New Delhi; Res. 14, Cavalry Lines, Delhi University Campus, Delhi 110 007, Mobile: 98104 43272, email: skb@igib.in; brahmacharisk@gmail.com, URL: http://samirbrahmachari.rnabiology.org/, sp. functional genomics; genome informatics; systems biology; affordable healthcare; and open source innovation.

Elected
Year

- 2005 **Budhani**, Ramesh Chandra, b. 1955, Ph.D. (IIT, Delhi), FNASc, FNA, Department of Physics & Centre of Laser and Photonics, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7185; (0512) 259 7955, Fax (0512) 259 0914, email: rcb@iitk.ac.in, sp. renewable energy; nanoscale systems; experimental condensed matter physics; superconductivity & magnetism.
- 1993 **Chaddah**, Praveen, b. 1951, Ph.D. (Bombay), FNA, FNASc, Res. Block 24, Flat 702, Heritage City, M G Road, Gurugram 122 002, Tel. (0124) 428 0243, Mobile: 96301 28811, email: chaddah.praveen@gmail.com, sp. superconductivity; low temperature physics; phase transitions.
- 1997 **Chakrabarti**, Bikas Kanta, b. 1952, Ph.D. (Calcutta), FNA, Visiting Professor of Economics, Indian Statistical Institute, Kolkata; Emeritus Professor, SN Bose National Centre for Basic Sciences, Kolkata; Emeritus Professor, Saha Institute of Nuclear Physics, 1/AF, Bidhannagar, Kolkata 700 064, Tel Res. (033) 2370 9377, Mobile: 93395 11916, Fax (033) 2337 4637, email: bikask.chakrabarti@saha.ac.in, URL: www.saha.ac.in/cmp/bikask.chakrabarti/bikas.html, sp. statistical physics of fracture; quantum spin glasses & quantum annealing; applications to social sciences: econophysics & sociophysics.
- 2000 **Chakrabarti**, Partha Pratim, b. 1962, Ph.D. (IIT, Kharagpur), FNA, FNAE, Department of Computer Science & Engineering, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 3466, Res. (03222) 28 3467, Mobile: 94340 13691, Fax (03222) 27 7190; (03222) 27 8985, email: ppchak@cse.iitkgp.ernet.in; ppchak_99@yahoo.com, sp. artificial intelligence; computer aided design for VLSI & embedded systems; algorithms.
- 1998 **Chakrabarti**, Pinakpani, b. 1955, Ph.D. (IISc), FNA, FNASc, FTWAS, JC Bose National Fellow, Department of Biochemistry, Bose Institute, P-1/12, CIT Scheme, VII M, Kolkata 700 054, Tel. Off. (033) 2569 3253, Mobile: 98307 51009, Fax (033) 2355 3886, email: pinak@jcbose.ac.in; pinak.chak@gmail.com, URL: http://www.jcbose.ac.in/faculty-details/pinakpani-chakrabarti, sp. X-ray crystallography; structural biochemistry; bioinformatics.
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- 2015 **Chakrabarti**, Soumen, b. 1969, Ph.D. (UC, Berkeley), FNAE, FNA, Department of Computer Science and Engineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7901, Fax (022) 2572 0022, email: soumen@cse.iitb.ac.in, URL: https://www.cse.iitb.ac.in/~soumen/, sp. text search; NLP; social networks.

- Elected
Year
- 2014 **Chakraborti**, Asit Kumar, b. 1954, Ph.D. (IACS, Kolkata), FNA, Visiting Professor, Department of Chemistry, Indian Institute of Technology–Ropar, Nangal Road, Rupnagar 140 001, Tel. Off. (01881) 24 2270, Mobile: 94177 70515, Fax (01881) 22 3395, email: chakrabortiak@iitrpr.ac.in; akchakraborti@rediffmail.com, sp. synthetic organic chemistry; medicinal chemistry; green chemistry.
- 2010 **Chakraborti**, Pradip Kumar, b. 1956, Ph.D. (Visva-Bharati), FNASc, FNA, Department of Biotechnology, School of Chemical and Life Sciences, Jamia Hamdard, Hamdard Nagar, New Delhi 110 062, Tel. Off. (011) 2605 9668/5583, Mobile: 98158 63975, Fax (011) 2605 9666, email: pkchakraborti@jamiyahamdard.ac.in; pradipkchakraborti@gmail.com, sp. biochemistry & molecular biology; molecular microbiology; prokaryotic signal transduction.
- 2018 **Chakraborty**, Partha Sarathi, b. 1973, Ph.D. (ISI), FNASc, Indian Statistical Institute, 203, B.T. Road, Kolkata 700 108, Tel. Off. (033) 2575 3470, Res. (033) 2632 5018, Mobile: 98402 95463, email: parthacsarathi@yahoo.co.in, sp. operator algebras; noncommutative geometry; quantum groups.
- 2016 **Chakraborty**, Subhra, b. 1964, Ph.D. (JNU), FNASc, FNAAS, Staff Scientist VII, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2673 5186, Res. (011) 2613 9428, Mobile: 99719 23777, Fax (011) 2674 1658, email: schakraborty@nipgr.ac.in; subhrac@hotmail.com, URL: http://www.nipgr.res.in/research/dr_schakraborty.php, sp. nutritional genomics; plant immunity; plant proteomics; molecular biology & biotechnology.
- 2016 **Chakraborty**, Suman, b. 1973, Ph.D. (IISc), FNASc, FNAE, FNA, Department of Mechanical Engineering, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 2990, Res. (03222) 28 2991, Mobile: 98314 02939, Fax (03222) 28 2278, email: suman@mech.iitkgp.ac.in, URL: <http://www.iitkgp.ac.in/department/ME/faculty/me-suman>, sp. thermal & fluid science; micro & nanoscale transport; interfacial phenomena & phase change.
- 2015 **Chakraborty**, Tapas, b. 1961, Ph.D. (Jadavpur), Senior Professor, School of Chemical Sciences, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1470, Res. 89022 98116, Mobile: 98314 90265, Fax (033) 2473 2805, email: pctc@iacs.res.in; c.tapas@gmail.com, URL: <http://iacs.res.in/faculty-profile.html?id=67>, sp. molecular spectroscopy; mass spectrometry; gas-phase & atmospheric chemistry.

- Elected
Year
- 2003 **Chakraborty**, Tushar Kanti, b. 1957, Ph.D. (IIT, Kanpur), FNA, FNASc, Department of Organic Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2215, Fax (080) 2360 0529, email: tushar@iisc.ac.in; tusharkanti-chakraborty@gmail.com, sp. peptides & peptidomimetics; organic synthesis.
- 1995 **Chakravarty**, Akhil Ranjan, b. 1953, Ph.D. (Calcutta), FNA, FTWAS, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2533, Res. (080) 2351 5407, Mobile: 94482 75407, Fax (080) 2360 1552, email: arc@iisc.ac.in; akhilchakravarty@gmail.com, URL: <http://ipc.iisc.ernet.in/arc.html>, sp. bioinorganic chemistry; coordination chemistry; metal-based anticancer agents.
- 1975 **Chakravorty**, Animesh, b. 1935, Ph.D. (Calcutta), D.Sc. (h.c.), FNA, FTWAS, Res. Flat 8/3, 6, Sunny Park, Ballygunge, Kolkata 700 019, Mobile: 94338 01715; 96744 08868, email: animeshc31@gmail.com; icac@iacs.res.in, sp. inorganic chemistry. **Council Service:** 1986–91.
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- 1981 **Chakravorty**, Dipankar, b. 1937, Ph.D. (Penn. State), D.Sc. (h.c.), FNA, FTWAS, INSA Emeritus Scientist, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1580, Res. (033) 2476 1351, Mobile: 98300 61734, Fax (033) 2473 2805, email: mlsc@iacs.res.in; dipchak37@gmail.com, sp. materials science; nanomaterials. **Council Service:** 1992–97.
- 2020 **Chandak**, Giriraj Ratan, b. 1963, Ph.D. (Osmania), FAMS, FNASc, CSIR–Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2748; (040) 2719 2653, Res. (040) 2715 2798, Mobile: 98490 84365, Fax (040) 2716 0591; (040) 2716 0311, email: chandakgrc@ccmb.res.in, URL: <http://e-portal.ccmb.res.in/e-space/chandak/>, sp. genomics & epigenomics of complex diseases; developmental programming of metabolic syndrome; molecular diagnostics of monogenic disorders.
- 1993 **Chander**, Ramesh, b. 1939, Ph.D. (Columbia), Res. 290, Sector 4, Mansa Devi Complex, Panchkula 134 114, Mobile: 98150 64872, email: profrchander@gmail.com, sp. seismology; geophysics.

- Elected
Year
- 1992 **Chandola-Saklani**, Asha, b. 1947, Ph.D. (Banaras), Department of Community Medicine, Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Jolly Grant, Dehradun 248 016, Mobile: 99588 85335, email: ashachandola@apeejay.edu; ashachandola@gmail.com, sp. endocrinology; clinical data management; ornithology; epidemiology; conservation biology; data science; science education.
- 2005 **Chandra**, Amalendu, b. 1963, Ph.D. (IISc), FNA, FNASc, Department of Chemistry, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7241, Res. (0512) 259 8446, Mobile: 94150 45276, Fax (0512) 259 6806, email: amalen@iitk.ac.in, URL: <http://home.iitk.ac.in/~amalen>, sp. statistical mechanics of liquids & interfaces; classical & quantum simulations; molecular modelling.
- 1979 **Chandra**, Hombegowda Sharat, b. 1938, Ph.D. (UC, Berkeley), FNA, FNASc, FTWAS, Centre for Human Genetics, Biotech Park, Electronic City, Phase I, Bengaluru 560 100, Tel. Off. (080) 2852 1833; (080) 2852 3596, Res. (080) 2663 9353, Fax (080) 2852 1832, email: sharat@chg.res.in; sharat@iisc.ac.in, sp. genetics & evolution. **Council Service:** 1986–91, 1998–2000; Secretary: 1986–91; Vice-President: 1998–2000.
- 2018 **Chandra**, Nagasuma, b. 1965, Ph.D. (Bristol), Department of Biochemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2892, Res. (080) 2349 2996, Mobile: 98457 83140, email: nchandra@iisc.ac.in, URL: <https://biochem.iisc.ac.in/nagasuma-chandra.php>, sp. systems biology; bioinformatics; protein structure analysis; genomic medicine.
- 1993 **Chandrakumar**, Narayanan, b. 1951, Ph.D. (IIT, Kanpur), FNA, MRI-MRS Centre and Department of Chemistry, Indian Institute of Technology–Madras, Chennai 600 036, Tel. Off. (044) 2257 4920, Res. (044) 2679 1073, Fax (044) 2257 4202, email: nckumar@iitm.ac.in; chandrakumar.iitm@gmail.com, sp. magnetic resonance imaging; MR spectroscopy, dynamic nuclear polarization; instrumentation; spin physics.
- 1989 **Chandrasekaran**, Srinivasan, b. 1945, Ph.D. (Madras), FNA, FTWAS, INSA Distinguished Professor, Department of Organic Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. & Fax (080) 2360 2423; (080) 2293 2404, Res. (080) 2351 2748, Mobile: 98860 88344, email: scn@iisc.ac.in; chandraorgchem@gmail.com sp. synthetic organic chemistry; natural products; organometallic chemistry. **Council Service:** 2004–12, Secretary: 2004–09, Treasurer: 2010–12.

Elected Year	
1992 170	Chandrasekhar , Jayaraman, b. 1952, Ph.D. (IIT, Madras), FNA, Gilead Sciences, 199 E Blaine Street, Seattle, WA 98102, USA, Tel. Off. (+1-206) 454 7105, Res. (+1-425) 298 0560, email: jayaraman.chandrasekhar@gilead.com, sp. computational chemistry; theoretical organic chemistry; drug discovery.
2011	Chandrasekhar , Srivari, b. 1964, Ph.D. (Osmania), FNASc, FNA, Director, CSIR–Indian Institute of Chemical Technology, Hyderabad 500 007, Tel. Off. (040) 2719 3030; (040) 2719 3210, Res. (040) 2742 3675, Mobile: 98480 35908, Fax (040) 2716 0512, email: srivaric@gmail.com; director@iict.res.in, sp. natural product synthesis; green chemistry; combinatorial chemistry; drug discovery.
2003	Chandrasekhar , Vadapalli, b. 1958, Ph.D. (IISc), FNA, FNASc, FTWAS, Centre Director & Distinguished Professor, Tata Institute of Fundamental Research, 36/P, Gopanpally, Hyderabad 500 107, Tel. Off. (040) 2020 3100-01, Mobile: 94151 32221, email: director@tifrh.res.in; vc@tifrh.res.in, sp. inorganic chemistry; organometallic chemistry; inorganic rings & polymers; many-group chemistry, molecular materials. Council Service: 2010–12.
2000	Chandrashekar , Tavarekere Kalliah, b. 1956, Ph.D. (IISc), FNA, FNASc, FTWAS, Senior Professor, School of Chemical Sciences, National Institute of Science Education & Research, Jatni P.O., Khurda 752 050, Tel. Off. (0674) 249 4444, Res. (0674) 249 4333, Mobile: 98188 44936, Fax (0674) 249 4003, email: tkc@niser.ac.in, sp. bioinorganic chemistry; synthetic inorganic chemistry; catalysis. Council Service: 2013–15.
1996	Chandru , Vijay, b. 1953, Ph.D. (MIT), INAE Distinguished Technologist, Indian Institute of Science, Bengaluru; Founder Director, Strand Life Sciences, Ragini, 591, 3rd Main Road, Sadashivanagar, Bengaluru 560 080, Tel. Off. (080) 4078 7263, Res. (080) 2361 5038, Mobile: 98452 02820, Fax (080) 4078 7299, email: chandru@alum.mit.edu; vijaychandru@iisc.ac.in, URL: http://vijaychandru.in , sp. computational mathematics; computational biology; intelligent health systems.
2008	Chandy , Mammen, b. 1949, MD (Madras), FRCP, Director, Tata Medical Center, 14, Major Arterial Road (E-W), New Town, Rajarhat, Kolkata 700 156, Tel. Off. (033) 6605 7577; (033) 6605 7582, Mobile: 96744 67726, email: mammen.chandy@tmckolkata.com, sp. hematology; bone marrow transplantation; molecular genetics of blood diseases.

Elected
Year

- 2001 **Chattaraj**, Pratim Kumar, b. 1958, Ph.D. (IIT, Mumbai), FNA, FNASc, FTWAS, JC Bose National Fellow, Distinguished Visiting Professor, Indian Institute of Technology–Bombay, Mumbai; Institute Chair Professor, Department of Chemistry, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 3304, Res. (03222) 28 3305, Fax (03222) 25 5303, email: pkc@chem.iitkgp.ac.in; pratim.chattaraj@gmail.com, URL: <http://www.chemistry.iitkgp.ac.in/faculty/PKC/web/>, sp. density functional theory; nonlinear dynamics; chemical reactivity; aromaticity in metal clusters, hydrogen storage.
- 2014 **Chattarji**, Sumantra, b. 1962, Ph.D. (Johns Hopkins), National Centre for Biological Sciences, GKVK Campus, Bellary Road, Bengaluru 560 065, Tel. Off. (080) 2366 6525, Res. (080) 2366 6474, Mobile: 99800 33744, Fax (080) 2363 6675, email: shona@ncbs.res.in, URL: www.ncbs.res.in/shona, sp. neurobiology; biophysics; physiology.
- 2017 **Chatterjee**, Mitali, b. 1960, MD (Calcutta), Ph.D. (Jadavpur), FRCP (London), FNASc, FAMS, FNA, Department of Pharmacology, Institute of Postgraduate Medical Education & Research, 244 B, Acharya JC Bose Road, Kolkata 700 020, Tel. Off. (033) 2204 1428, Res. (033) 2454 4567, Mobile: 98300 31523, Fax (033) 2223 4135, email: ilatimc@gmail.com, sp. immunopharmacology; leishmania biology; redox imbalance and immune dysregulation.
- 1994 **Chatterji**, Dipankar, b. 1951, Ph.D. (IISc), D.Sc (h.c.), FNA, FNASc, FTWAS, Honorary Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru; Honorary Professor, Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2836; (080) 2360 0137, Res. (080) 2539 2055, Mobile: 98454 04962, Fax (080) 2360 0535, email: dipankar@iisc.ac.in, sp. molecular biology; biophysical chemistry; biomolecular spectroscopy. **Council Service:** 2007–18; Secretary: 2010–12; President: 2013–15.
- 2000 **Chattopadhyay**, Amitabha, b. 1956, Ph.D. (SUNY, Stony Brook), FNA, FNASc, FRSC, FTWAS, SERB Distinguished Fellow, CSIR–Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2578; (040) 2716 0059, Mobile: 98498 03092, Fax (040) 2716 0591, email: amit@ccmb.res.in; amit.gpcr@gmail.com, URL: <http://e-portal.ccmb.res.in/e-space/amit/Pages/Index.htm>, sp. membrane/receptor biophysics & biology; molecular & cellular neurobiology; fluorescence spectroscopy & microscopy.

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- Elected
Year
- 2016 **Chattopadhyay, Arun**, b. 1964, Ph.D. (Columbia), Department of Chemistry, Indian Institute of Technology–Guwahati, Guwahati 781 039, Tel. Off. (0361) 258 2304, Res. (0361) 258 4304, Mobile: 99540 06897, Fax (0361) 258 2349, email: arun@iitg.ac.in, URL: <http://www.iitg.ac.in/arun/>, sp. physical chemistry; nanoscience; nanotechnology.
- 2013 **Chattopadhyay, Debasis**, b. 1967, Ph.D. (Calcutta), FNASc, FNA, Staff Scientist VII, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2673 5189, Res. (011) 2673 5148, Mobile: 98682 40645, Fax (011) 2674 1658, email: debasis@nipgr.ac.in, URL: www.nipgr.res.in/research/dr_dchattopadhyay.php, sp. abiotic stress of plant; plant genomics.
- 2004 **Chattopadhyay, Dhruvajyoti**, b. 1954, Ph.D. (Calcutta), FNASc, Vice Chancellor, Amity University, Newtown, Kolkata 700 135, Tel. Res. (033) 2334 9382, Mobile: 98310 83791, email: dchattopadhyay@kol.amity.edu; dhruvajyoti@gmail.com, sp. transcription; molecular virology; oxidative stress response; metagenomics, enzyme biotechnology.
- 2008 **Chattopadhyay, Joydev**, b. 1963, Ph.D. (Jadavpur), Agricultural & Ecological Research Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata 700 108, Tel. Off. (033) 2575 3231, Res. (033) 2553 9920, Mobile: 98305 46490, Fax (033) 2577 3049, email: joydev@isical.ac.in, sp. mathematical modelling on ecology; epidemiology & eco-epidemiology.
- 1995 **Chattopadhyay, Kamanio**, b. 1950, Ph.D. (Banaras), FNA, FNASc, FNAE, Honorary Professor, Department of Materials Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3521-22; (080) 2293 2262, email: kamanio@iisc.ac.in, sp. physical metallurgy; materials science & engineering.
- 2010 **Chattopadhyay, Nitin**, b. 1960, Ph.D. (Jadavpur), FNASc, Department of Chemistry, Jadavpur University, Kolkata 700 032, Tel. Off. (033) 2457 2776, Mobile: 94339 48648, Fax (033) 2414 6584, email: nitin.chattopadhyay@yahoo.com; nkchattopadhyay@chemistry.jdvu.ac.in, URL: <http://sites.google.com/site/pcnitin/>, sp. photo-physics & photochemistry; time-resolved spectroscopy; biophysical chemistry; surface chemistry; fluorosensing.

- Elected
Year
- 2011 **Chattopadhyay**, Samit, b. 1959, Ph.D. (Jadavpur), FNASc, FNA, FTWAS, JC Bose National Fellow, Director (additional charge), CSIR–North East Institute of Science and Technology, Jorhat; Director, CSIR–Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 5368; (033) 2413 1157, Mobile: 98234 09155, Fax (033) 2473 5197, email: director@iicb.res.in; samit@iicb.res.in, URL: www.iicb.res.in/director/samit.html, sp. chromatin remodeling, epigenetics & transcription regulation; cancer biology; immunology and disease biology.
- 2009 **Chattopadhyay**, Sudip, b. 1960, Ph.D. (Bose Institute, Calcutta), FNA, FNASc, Department of Biotechnology, National Institute of Technology, Mahatma Gandhi Avenue, Durgapur 713 209, Tel. Off. 94347 88029, Mobile: 96792 66581, Fax (0343) 254 7375, email: sudipchatto@gmail.com; sudip.chattopadhyay@bt.nitdgp.ac.in, sp. developmental biology; signal transduction.
- 1998 **Chaturvedi**, Subhash, b. 1950, D.Phil. (Waikato), FNASc, Department of Physics, Indian Institute of Science Education and Research–Bhopal, Bhopal Bypass Road, Bhauri, Bhopal 462 066, Mobile: 99596 13709, email: scifi103@yahoo.com, sp. mathematical physics; quantum optics; quantum information & computation.
- 1986 **Chaturvedi**, Umesh Chandra, b. 1939, MD (Lucknow), FRC Path. (London), FNA, FNASc, FAMS, FAAM, Res. 201, Annapurna Apartments, No. 1, Bishop Rocky Street, Faizabad Road, Lucknow 226 007, Tel. (0522) 402 6202, Mobile: 94509 13506, email: uchaturvedi201@gmail.com, sp. medical microbiology; virology; immunology.
- 1992 **Chaudhari**, Raghunath Vitthal, b. 1948, Ph.D. (Bombay), FNA, FNAE, Deane E Ackers Distinguished Professor, Chemical & Petroleum Engineering Department, University of Kansas, Lawrence, KS 66047-1803, USA, Tel. Off. (+1-785) 864 1634, Res. (+1-785) 218 0036, email: rvc1948@ku.edu, sp. homogeneous & heterogeneous catalysis; biomass conversion to fuels & chemicals; multi-phase reactors & chemical reaction engineering; kinetics & mechanism.
- 2008 **Chaudhuri**, Arabinda, b. 1958, Ph.D. (Rutgers), Raja Ramanna Fellow, Department of Chemical Sciences, Indian Institute of Science Education and Research–Kolkata, Mohanpur 741 246, Tel. Off. (033) 6634 0000/1469, Res. (040) 2715 6755, Mobile: 94400 40582, email: arabinda.chaudhuri@iiserkol.ac.in; arabindachaudhuri@gmail.com, sp. designing liposomes for targeted cancer therapy and dendritic cell targeted cancer immunotherapy.

Elected Year	
1988	Chaudhuri , Mihir Kanti, b. 1947, Ph.D. (IIT, Kharagpur), Dr. rer. nat. (FRG), FNA, Education Adviser, Government of Assam, Assam Sachivalaya, Dispur, Guwahati 781 006, Tel. Off. and Fax (0361) 223 7241, Mobile: 99544 49454, email: mkc@tezu.ernet.in; mihirkanti.chaudhury@gov.in, sp. inorganic chemistry; synthesis, structure & reactivity; newer reagents, methodologies & green chemical technology. Council Service: 2019–; Vice-President: 2019–.
2003	Chaudhuri , Probal, b. 1963, Ph.D. (UC, Berkeley), FNA, FNASc, Theoretical Statistics & Mathematics Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata 700 108, Tel. Off. (033) 2575 3414; (033) 2575 3400, Res. (033) 2558 0105, Mobile: 98317 89429, Fax (033) 2577 3071, email: probal@isical.ac.in, URL: www.isical.ac.in/~probal, sp. robust & nonparametric statistics; statistical computing; statistical methods in pattern recognition & image processing; modelling & analysis of genomic data.
2005	Chaudhuri , Subhasis, b. 1963, Ph.D. (UC, San Diego), FNA, FNASc, FNAE, FIEEE, Director, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7001, Res. (022) 2576 8000, Fax (022) 2572 3707, email: sc@ee.iitb.ac.in, URL: www.ee.iitb.ac.in/~sc, sp. computer vision; image processing; machine learning; computational haptics.
1997	Chauhan , Virander Singh, b. 1950, Ph.D. (Delhi), D.Phil. (Oxford), FNA, FNASc, Visiting Scientist, International Centre for Genetic Engineering & Biotechnology, Post Box No. 10504, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 1007; (011) 2674 1358, Res. (011) 2669 3040, Fax (011) 2674 2316, email: viranderschauhan@gmail.com, sp. peptide synthesis & structure; malaria immunology; malaria drug development; self-assembly nanostructures in biomolecular delivery; biomarker discovery particularly in tuberculosis.
2011	Chengalur , Jayaram Narayanan, b. 1965, Ph.D. (Cornell), FNASc, FNA, Senior Professor, National Centre for Radio Astrophysics, Pune University Campus, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2571 9248, Res. (020) 2571 9348, Fax (020) 2569 7257, email: chengalur@ncra.tifr.res.in, sp. radio-astronomy; galaxy evolution.
2012	Chhabra , Rajendra Prasad, b. 1953, Ph.D. (Monash), FNAE, FNASc, FNA, JC Bose National Fellow, Department of Chemical Engineering, Indian Institute of Technology–Ropar, Nangal Road, Rupnagar 140 001, Tel. Off. (01881) 24 2212, Mobile: 98397 41317, email: chhabra@iitk.ac.in, sp. transport phenomena; rheology; non-Newtonian fluids.

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Year
- 1974 **Chidambaram**, Rajagopala, b. 1936, Ph.D. and D.Sc. (IISc), D.Sc. (h.c.), FNA, FNASc, FTWAS, DAE Homi Bhabha Professor, Bhabha Atomic Research Centre, Trombay, Mumbai 400 085, Tel. Off. (022) 2550 5305, Res. (022) 2556 1315, Fax (022) 2550 5132, email: rc@barc.gov.in; rajachid@gov.in, sp. high pressure physics; neutron crystallography; materials science; nuclear technology. **Council Service:** 1989–97, Vice-President: 1992–97.
- 2009 **Chitnis**, Chetan Eknath, b. 1961, Ph.D. (UC, Berkeley), FNA, Head, Malaria Parasite Biology and Vaccines Unit, Institut Pasteur, 28 Rue du Dr Roux, Paris 75015, France, Tel. Off. (+33-1) 4438 9428, Res. (+33-1) 4288 6350, Mobile: (+33-7) 8785 6133, Fax (+33-1) 4438 9428, email: chetan.chitnis@pasteur.fr, sp. molecular parasitology; vaccine development; malaria; molecular & cell biology.
- 200 **Chitre**, Shashikumar Madhusudan, b. 1936, Ph.D. (Cambridge), FNA, FNASc, Res. 201, Vigyanshila, Juhu-Versova Link Road, near Seven Bungalows, Andheri (W), Mumbai 400 061, Tel. (022) 2635 3812, Mobile: 98193 66447, email: kumarchitre@gmail.com, sp. solar physics; relativistic astrophysics; gravitational lenses. **Council Service:** 1995–2003; Vice-President: 1998–2003.
- 1986 **Chockalingam**, Ananthanarayanan, b. 1962, Ph.D. (IISc), FNA, FNASc, FNAE, Department of Electrical Communication Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3156, Res. (080) 2351 6637, Mobile: 89714 74971, Fax (080) 2360 0563, email: achockal@iisc.ac.in, URL: <http://www.ece.iisc.ernet.in/~achockal>, sp. wireless communications; wireless networking.
- 2015 **Chokshi**, Atul Harish, b. 1958, Ph.D. (USC, Los Angeles), FNA, FNASc, FNAE, Department of Materials Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 1480; (080) 2293 2684, Res. (080) 2848 2409, Fax (080) 2360 0472, email: achokshi@iisc.ac.in, sp. high temperature deformation & failure; ceramics; nanomaterials.
- 2005 **Chopra**, Kasturi Lal, b. 1933, Ph.D. (British Columbia), FNA, FNAE, FNASc, Res. M-70, Kirtinagar, New Delhi 110 015, Mobile: 92134 33266, email: choprakl@gmail.com; choprakl@yahoo.com, sp. physics & technology of thin films; nanomaterials; surface science and technology; photovoltaics; vacuum technology.
- 1980

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Year

- 1982 **Chopra**, Virender Lal, b. 1936, Ph.D. (Edinburgh), D.Sc. (h.c.), FNA, FNASc, FNAAS, FTWAS, Res. A3-210A, Janakpuri, New Delhi 110 058, Tel. (011) 2555 3747, email: virenderchopra@yahoo.com, sp. genetics & crop improvement; plant biotechnology.
- 1992 **Choudary**, Boyapati Manoranjan, b. 1946, Ph.D. (Gujarat), FNA, Res. Plot No. 154, New MLA and MP Colony, Road No. 10C, Jubilee Hills, Hyderabad 500 034, Mobile: 91009 91400, email: bmchoudary@gmail.com, sp. homogeneous & heterogeneous catalysis; flow reactions; nanotechnology & nanomedicine.
- 1993 **Choudhary**, Vasant Ramchandra, b. 1944, Ph.D. (Pune), FNASc, FNA, Res. Vasantasha Bungalow, 1-Green Park, Off. D.P. Road, Aundh, Pune 411 007, Mobile: 92251 06141; 92844 72286, email: vrc0001@yahoo.co.in, sp. heterogeneous catalysis; zeolites: adsorption/catalysis; natural gas & lower alkane conversion/utilization; green chemistry/processes.
- 2010 **Choudhury**, Debajyoti, b. 1964, Ph.D. (PRL) FNA, FNASc, Department of Physics & Astrophysics, University of Delhi, Delhi 110 007, Tel. Off. (011) 2766 7061, Res. (011) 2726 1536, Mobile: 92132 11830, email: debajyoti.choudhury@gmail.com, sp. high energy physics; cosmology.
- 2004 **Chowdhury**, Debashish, b. 1957, Ph.D. (IIT, Kanpur), FNASc, FNA, JC Bose National Fellow, Department of Physics, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7039, Res. (0512) 259 8465, Fax (0512) 259 0914, email: debch@iitk.ac.in, URL: <https://sites.google.com/site/debchphy/>, sp. statistical physics; condensed matter physics; biological physics.
- 2015 **Chowdhury**, Shantanu, b. 1968, Ph.D. (IICT, Hyderabad), FNASc, Principal Scientist, CSIR–Institute of Genomics and Integrative Biology, Sukhdev Vihar, Mathura Road, New Delhi 110 025, Tel. Off. (011) 2987 9487, Mobile: 98109 53135, Fax (011) 2987 9111, email: shantanuc@igib.res.in, URL: <http://www.igib.res.in/?q=ShantanuChowdhury>, sp. structural & molecular biology; genomics.
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Year

- 1983 **Cowsik**, Ramanath, b. 1940, Ph.D. (Bombay), FNA, FNASc, FTWAS, Foreign Assoc., US Natl. Acad. Sci., Adjunct Professor, Raman Research Institute, Bengaluru; Director Emeritus, McDonnell Center for Space Sciences, James S. McDonnell Professor of Space Sciences & Department of Physics, Washington University in St. Louis, Campus Box 1105, One Brookings Drive, St Louis, MO 63130-4899, USA, Tel. Off. (+1-314) 935 4493, Res. (+1-314) 727 5959, Fax (+1-314) 935 6219, email: cowsik@physics.wustl.edu, URL: http://physics.wustl.edu/people/cowsik_ramanath, sp. astrophysics; elementary particle; cosmology; gravitation.
- 2007 **Dabholkar**, Atish Shripad, b. 1963, Ph.D. (Princeton), Senior Research Scientist, International Centre for Theoretical Physics, 11, Strada Costiera, 34151 Trieste, Italy, Tel. Off. (+39-040) 224 0285, email: atish@ictp.it, sp. quantum gravity; superstring theory; black holes.
- 2016 **Damle**, Kedar Suresh, b. 1970, Ph.D. (Yale), Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400 005, Tel. Off. (022) 2278 2213; (022) 2278 2244, Res. (022) 2278 3213, Fax (022) 2280 4610; (022) 2278 2777, email: kedar@theory.tifr.res.in, URL: <http://theory.tifr.res.in/~kedar>, sp. condensed matter theory.
- 1986 **Dani**, Shrikrishna Gopalrao, b. 1947, Ph.D. (Bombay), FNA, FNASc, Distinguished Professor, UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai, Kalina Campus, Santacruz, Mumbai 400 098, Mobile: 97572 82263, email: shrigodani@cbs.ac.in; shrigodani@gmail.com, sp. ergodic theory; dynamics; measures on Lie groups; history of mathematics. **Council Service:** 1998–2000.
- 2011 **Das**, Amita, b. 1965, Ph.D. (IIT, Kanpur), Department of Physics, Indian Institute of Technology-Delhi, Hauz Khas, New Delhi 110 016, Mobile: 98795 65174, email: amita@iitd.ac.in, sp. plasma physics; turbulence; electron magnetohydrodynamics; laser plasma interaction; strongly coupled & dusty plasma systems.
- 2010 **Das**, Amitava, b. 1959, Ph.D. (Jadavpur), FNASc, FNA, JC Bose National Fellow, Director, CSIR–Central Salt & Marine Chemicals Research Institute, GB Marg, Bhavnagar 364 002, Tel. Off. (0278) 256 9496, Res. (0278) 256 2610, Mobile: 82752 25356; 94280 51283, Fax (0278) 256 7562, email: a.das@csmcri.res.in; das.amitava1@gmail.com, sp. molecular recognition; supra-molecular chemistry & assembly; photoinduced processes.

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Year

- 2001 **Das**, Bhudev Chandra, b. 1948, Ph.D. (Banaras), FNASc, FAMS, FNA, JC Bose National Fellow, Chairman & HG Khorana Chair Professor, Amity Institute of Molecular Medicine & Stem Cell Research, and Dean, Health & Allied Sciences, Amity University, Sector 125, Noida 201 313, Tel. Off. (0120) 458 6855, Mobile: 98105 66870; 98105 37835, Fax (0120) 439 2114, email: bcdas48@hotmail.com; bcdas@amity.edu, sp. molecular oncology; molecular virology; human genetics & stem cell biology.
- 2018 **Das**, Gobardhan, b. 1966, Ph.D. (IMTECH), FNASc, Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4559; (011) 2673 8824, Res. (0124) 424 2351, Mobile: 99711 06287, Fax (011) 2674 1781, email: dasgo@mail.jnu.ac.in; gobardhan.das07@gmail.com, sp. immunology; infectious diseases; cell biology.
- 2003 **Das**, Pijush Kanti, b. 1952, Ph.D. (Calcutta), FNA, FNASc, Platinum Jubilee Fellow & NASI Senior Scientist, CSIR–Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 3491, Res. (033) 2476 9216, Mobile: 98304 01233; 98313 41358, Fax (033) 2473 5197, email: pijush52@gmail.com; pijushdas@iicb.res.in, sp. biochemistry; cell biology; molecular parasitology.
- 2017 **Das**, Prasanta Kumar, b. 1971, Ph.D. (Osmania), Senior Professor, School of Biological Sciences, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1505, Res. (033) 2425 9997, Mobile: 94331 78776, Fax (033) 2473 2805, email: bcpcd@iacs.res.in; das.prasantak@gmail.com, URL: <http://iacs.res.in/faculty-profile.html?id=46>, sp. bio-organic chemistry; supramolecular self-assemblies in enzymology and gelation; soft-nanocomposite in cellular transportation.
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- 2008 **Das**, Puspendu Kumar, b. 1958, Ph.D. (Columbia), Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2662, Res. (080) 2360 2223, Mobile: 94802 58065, Fax (080) 2360 1552, email: pkdas@iisc.ac.in; pkdasipc@gmail.com, sp. physical chemistry; laser spectroscopy & dynamics; nonlinear optics.
- 2010 **Das**, Samar Kumar, b. 1963, Ph.D. (IIT, Kanpur), School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2301 1007, Res. (040) 2301 0536, Mobile: 99594 25259, Fax (040) 2301 2460, email: skdsc@uohyd.ernet.in; samar439@gmail.com, sp. coordination chemistry; polyoxometalate based cluster chemistry; inorganic supramolecular chemistry; dithiolene-based materials; metal organic framework & zeolite-based materials; electrocatalytic water oxidation.

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Year
- 2009 **Das, Saumitra**, b. 1962, Ph.D. (Calcutta), FNASc, FNA, JC Bose National Fellow, Director, National Institute of Biomedical Genomics, Netaji Subhas Sanatorium Post, Kalyani 741 251, email: director@nibmg.ac.in; sdas@nibmg.ac.in, sp. molecular virology; molecular biology; cell biology.
- 2005 **Das, Shankar Prasad**, b. 1959, Ph.D. (Chicago), FNA, FNASc, JC Bose National Fellow, School of Physical Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2673 8768, Res. (011) 2612 1583, Mobile: 98996 74943, Fax (011) 2674 2580, email: shankar@jnu.ac.in; spd@uchicago.edu, URL: <https://www.jnu.ac.in/Faculty/shankar>, sp. statistical physics; soft-matter; non-equilibrium dynamics.
- 1998 **Das, Sumit Ranjan**, b. 1955, Ph.D. (Chicago), Department of Physics & Astronomy, University of Kentucky, Lexington, KY 40506, USA, Tel. Off. (+1-859) 257 4686, Fax (+1-859) 323 2846, email: das@pa.uky.edu, sp. string theory; quantum field theory; quantum aspects of black holes & holography; non-equilibrium; statistical mechanics.
- 2005 **Das, Suresh**, b. 1955, Ph.D. (Newcastle), FNA, Emeritus Professor, School of Chemistry, Indian Institute of Science Education and Research–Thiruvananthapuram, Maruthamala PO, Vithura, Thiruvananthapuram 695 551, Tel. Off. (0471) 277 8206, email: sureshdas@iisertvm.ac.in; sureshdas55@gmail.com, sp. photochemistry; photoresponsive materials; liquid crystals; photosensitizing dyes; luminescent materials & photoinduced electron transfer.
- 1998 **Das Gupta, Chanchal Kumar**, b. 1945, Ph.D. (Calcutta), FNA, FNASc, Res. EE-72/2, Salt Lake, Sector 2, Kolkata 700 091, Tel. (033) 4006 5279, Mobile: 90078 89857, email: chanchaldg2000@yahoo.com, sp. genetic recombination; protein folding.
- 1982 **Dasannacharya, Balebail Anantha**, b. 1937, Ph.D. (Bombay), FNA, Res. No. 4, Beach Resort CHS, Sector 10-A, Plot 1, Vashi, Navi Mumbai 400 703, Tel. (022) 2766 3957, Mobile: 98690 24550, email: adasannacharya@gmail.com, sp. neutron & X-ray spectrometry; condensed matter physics.
- 2018 **DasGupta, Maitrayee**, b. 1959, Ph.D. (Bose Inst.), FNASc, FNA, JC Bose National Fellow, Department of Biochemistry, University of Calcutta, 35, Ballygunge Circular Road, Kolkata 700 019, Tel. Off. (033) 2461 4714, Res. (033) 2484 3966, Mobile: 98307 76131, Fax (033) 2461 4849, email: maitrayee_d@hotmail.com, sp. symbiotic nitrogen fixation; plant receptor kinases.

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Year

- 1992 **Dasgupta**, Chandan, b. 1951, Ph.D. (Pennsylvania), FNA, FNASc, FTWAS, Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3278, Res. (080) 2334 5417, Mobile: 97413 32417, Fax (080) 2360 2602, email: cdgupta@iisc.ac.in, URL: www.physics.iisc.ernet.in/~cdgupta/, sp. theoretical condensed matter physics; statistical physics.
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- 2010 **Dasgupta**, Indranil, b. 1958, Ph.D. (JNU), FNASc, FNA, JC Bose National Fellow, Department of Plant Molecular Biology, University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021, Tel. Off. (011) 2411 1639, Res. (011) 4277 8520, Mobile: 99103 34110, Fax (011) 2411 1208, email: indranil58@yahoo.co.in, sp. molecular plant-virus interactions; transgenic viral resistance in plants; genome organization in plant viruses.
- 2015 **Dasgupta**, Pallab, b. 1967, Ph.D. (IIT, Kharagpur), FNAE, Department of Computer Science and Engineering, Indian Institute of Technology-Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 3470, Res. (03222) 28 3471, Mobile: 94340 16141, Fax (03222) 27 7190, email: pallab@cse.iitkgp.ac.in, URL: http://cse.iitkgp.ac.in/~pallab, sp. formal methods; electronic design automation; artificial intelligence.
- 1997 **Dasgupta**, Somnath, b. 1951, Ph.D. (Jadavpur), FNA, FNASc, FTWAS, Visiting Professor, Department of Earth Sciences, Indian Institute of Science Education and Research, Kolkata; Res. Westwind, Block 4, Flat 3B, 78, Raja SC Mullick Road, Kolkata 700 084, Mobile: 98311 67145, email: somnathdasg@gmail.com, sp. metamorphic petrology; geochemistry; Precambrian geology.
- 2018 **Dasgupta**, Swagata, b. 1962, Ph.D. (RPI, USA), Department of Chemistry, Indian Institute of Technology-Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 3306, Res. (03222) 28 3923, Mobile: 94340 20640, Fax (03222) 25 5303, email: swagata@chem.iitkgp.ac.in; 28swagata@gmail.com, URL: http://www.iitkgp.ac.in/department/CY/faculty/cy-swagata, sp. biophysical chemistry; protein-protein interactions; protein-small molecule interactions.
- 1992 **Dash**, Anadi Charan, b. 1941, Ph.D. (Utkal), Res. 14(P)/369, Gajapati Nagar, Bhubaneswar 751 005, Tel. (0674) 230 1707, Mobile: 94377 77730, email: acdash1@rediffmail.com; acdash41@gmail.com, sp. physical inorganic chemistry.

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Year
- 2015 **Dash**, Debabrata, b. 1958, MD & Ph.D. (Banaras), DSc (Utkal and Banaras), FNA, FAMS, JC Bose National Fellow, Department of Biochemistry, Institute of Medical Sciences, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 670 3243, Res. (0542) 236 9300, Mobile: 93369 10665; 96709 57414, Fax (0542) 236 7568, email: ddash.biochem@gmail.com, URL: [http://www.bhu.ac.in/ims/biochemistry/index.php?pg=faculty&wrpr=dept, sp. thrombus biology; platelet biochemistry & signal transduction; translational nanomedicine \(biomedical applications of nanotechnology\).](http://www.bhu.ac.in/ims/biochemistry/index.php?pg=faculty&wrpr=dept,sp.thrombusbiology;plateletbiochemistry&signaltransduction;translationalnanomedicine(biomedicalapplicationsofnanotechnology).)
- 2018 **Dastidar**, Parthasarathi, b. 1964, Ph.D. (IISc), School of Chemical Sciences, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971, Mobile: 94320 61273, Fax (033) 2473 2805, email: ocpd@iacs.res.in, URL: <http://iacs.res.in/faculty-profile.html?id=41>, sp. crystal engineering; supramolecular gels; coordination polymers; drug delivery.
- 1975 **Dastidar**, Pranab Rebatiranjan, b. 1933, Ph.D. (Manchester), Res. F-3, Rajkunj Co-operative Housing Society, Wadhavli, Chembur, Mumbai 400 074, Tel. (022) 2553 4498, email: pranabd2002@yahoo.co.in, sp. electronics; controls; nuclear power.
- 1996 **Datta**, Alok Kumar, b. 1946, Ph.D. (Calcutta), FNA, Res. Calcutta Greens, HIG-A (4/7/28), 1050/2 Survey Park, Kolkata 700 075, Tel. (033) 2416 2995, Mobile: 98360 12725, email: alokdatta61@gmail.com, sp. nucleic acid enzymology; protein chemistry; parasitology; recombinant DNA technology.
- 1992 **Datta**, Asis, b. 1944, Ph.D. & D.Sc. (Calcutta), D.S. (h.c.), FNA, FNASc, FTWAS, Distinguished Scientist, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, P.O. Box 10531, JNU Campus, New Delhi 110 067, Tel. Off. (011) 2674 2750; (011) 2673 5119, Res. (0124) 420 5590, Mobile: 98108 55666, Fax (011) 2674 1759; (011) 2674 1658, email: asis_datta@rediffmail.com; asis_datta@nipgr.ac.in, sp. biochemistry; molecular biology; genetic engineering.
- 240
- 2009 **Datta**, Basudeb, b. 1957, Ph.D. (ISI), FNASc, Department of Mathematics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3211, Res. (080) 2360 3118, Fax (080) 2360 0146, email: dattab@iisc.ac.in, URL: <http://math.iisc.ac.in/~dattab/>, sp. geometric topology; algebraic topology; combinatorics.

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Year

- 1997 **Datta**, Kasturi, b. 1943, Ph.D. (Calcutta), FNA, FNASc, FTWAS, DBT Distinguished Biotechnology Professor, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4327, Res. (0124) 420 5590, Mobile: 98103 26590, Fax (011) 2674 1502, email: kdatta@mail.jnu.ac.in; datta_k@hotmail.com, sp. biochemistry; molecular & cell biology; rDNA technology & human genome function.
- 2017 **Datta**, Swapan Kumar, b. 1953, Ph.D. (Calcutta), FNA, FNASc, FNAAS, FTWAS, Distinguished Biotechnology Research Professor, University of Calcutta, 35, Ballygunge Circular Road, Kolkata 700 019, Mobile: 87686 44777, email: swpndatta@yahoo.com; skdbot@caluniv.ac.in, sp. plant biotechnology; genetic engineering; crop improvement.
- 1992 **Dattagupta**, Sushanta, b. 1947, Ph.D. (St. Johns Univ./ Brookhaven Natl. Lab), FNA, FNASc, FTWAS, INSA Senior Scientist, Bose Institute, Kolkata; Res. Uniworld City, "Heights" 6, No. 002, New Town, Kolkata 700 160, Mobile: 94330 13858, email: sushantad@gmail.com, sp. condensed matter physics; non-equilibrium statistical mechanics. **Council Service:** 2001–09; Vice-President: 2004–09.
- 2019 **David, Justin Raj**, b. 1969, Ph.D. (TIFR), Centre for High Energy Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3146, Res. (080) 2351 1826, Mobile: 97400 91236, email: justin@iisc.ac.in, URL: <http://chep.iisc.ac.in/Personnel/justin.html>, sp. string theory; quantum field theory; holography.
- 1984 **Deb**, Bidyendu Mohan, b. 1942, D.Phil. (Oxon), FNA, FTWAS, INSA Honorary Scientist, Visva-Bharati University, Publishing Department, 6 A.J.C. Bose Road, Kolkata 700 017, Tel. Res. (033) 2424 5644, Mobile: 98307 99629, Fax (033) 2587 3020, email: bmdeb@yahoo.co.in, sp. theoretical chemistry; chemical physics; Indian culture and civilization. **Council Service:** 1995–2000.
- 2006 **Deb**, Kalyanmoy, b. 1962, Ph.D. (Alabama), FIEEE, FNA, FNAE, Koenig Endowed Chair Professor, Electrical and Computer Engineering, Michigan State University, East Lansing, MI 48864, USA, Tel. Off. (+1-517) 930 0846, email: kdeb@egr.msu.edu, URL: <http://www.iitk.ac.in/kangal/deb.htm>, sp. optimization & design; genetic algorithms; multi-objective optimization.
- 1980 **Deekshatulu**, Bulusu Lakshmana, b. 1936, Ph.D. (IISc), FNA, FNASc, FIEEE (USA), FTWAS, Distinguished Fellow IDRBT, Hyderabad; Res. 10-3-123/3, East Maredpally, Secunderabad 500 026, Tel. (040) 2773 2423, Mobile: 99084 99081, email: deekshatulu@gmail.com, sp. control systems; digital image processing; pattern recognition; remote sensing; machine learning.

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Year
- 1976 **Deo**, Madhav Gajanan, b. 1932, M.D., Ph.D. (AIIMS), FNA, FNASc, FAMS, President, Moving Academy of Medicine and Biomedicine, Pune; Res. C-13, Kubera Gulshan Apartments, D.P. Road, Aundh, Pune 411 007, Tel. Off. & Fax (020) 2729 5354, Res. (020) 2589 3128, Mobile: 99224 03266, email: deo.madhav@gmail.com, sp. pathology; oncology; medical education.
- 2019 **Deshmukh**, Mandar Madhukar, b. 1974, Ph.D. (Cornell), Department of Condensed Matter Physics and Materials Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2829, Res. (022) 2576 8616, Fax (022) 2280 4610, email: deshmukh@tifr.res.in, URL: www.tifr.res.in/~deshmukh, sp. 2D materials; mesoscopic electron transport; nanomechanics.
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- 1974 **Deshpande**, Suresh Madhusudhan, b. 1942, Ph.D. (IISc), FNAE, Consultant, Engineering Mechanics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2861, Res. (080) 2341 2029, Mobile: 94484 71243, Fax (080) 2208 2766, email: smd@jncasr.ac.in; desh1942@gmail.com, URL: http://www.jncasr.ac.in/smd/, sp. aerospace engineering; aerodynamics; computational fluid dynamics; meshfree methods; separation aerodynamics by meshfree methods; data assimilation; kinetic methods; high performance computing; adjoint based optimization; direct numerical simulation (DNS); cloud flows; rarefied gas dynamics; monte carlo methods.
- 1993 **Desiraju**, Gautam Radhakrishna, b. 1952, Ph.D. (Illinois), Solid State Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012, email: desiraju@sscu.iisc.ernet.in.
- 2006 **Dev**, Bhupendra Nath, b. 1953, Ph.D. (SUNY, Albany), FNASc, Department of Physics and School of Nano Science & Technology, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 30 4862, Mobile: 94338 47131, Fax (03222) 28 2700, email: bhupen.dev@gmail.com; bhupen.dev@phy.iitkgp.ac.in, sp. surface & nanoscale physics; X-ray physics; thin films; ion–solid interactions.
- 2008 **Dey**, Gautam Kumar, b. 1957, Ph.D. (Banaras), FNAE, FNA, Homi Bhabha National Institute, Mumbai; Dean Academic (Engineering Sciences), Associate Director, Materials Group and Head, Materials Science Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400 085, Tel. Off. (022) 2559 5063, Res. (022) 2550 2075, Mobile: 99201 97258, Fax (022) 2550 5151, email: gkdey@barc.gov.in; gautam_k_dey@yahoo.com, sp. phase transformations in metals & alloys; electron microscopy; metallic glasses & nanocrystalline materials.

Elected
Year

- 2012 **Dey**, Subhasish, b. 1958, Ph.D. (IIT, Kharagpur), FNA, FNAE, FNASc, JC Bose National Fellow, Department of Civil Engineering, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off.(03222) 28 3418, Res. (03222) 28 3419, Mobile: 94347 13850, Fax (03222) 28 2254, email: sdey@iitkgp.ac.in, URL: <http://www.iitkgp.ac.in/department/CE/faculty/ce-sdey>, sp. fluid mechanics; hydrodynamics; turbulence; sediment transport.
- 2012 **Dhar**, Abhishek, b. 1970, Ph.D. (Bombay), International Centre for Theoretical Sciences, Shivakote, Hesaraghatta Post, Bengaluru 560 089, Tel. Res. (080) 2308 9117, Mobile: 91641 83540, Fax (080) 4653 6270, email: abhishek.dhar@icts.res.in, sp. non-equilibrium statistical physics; condensed matter physics.
- 1990 **Dhar**, Deepak, b. 1951, Ph.D. (Caltech), FNA, FNASc, FTWAS, Department of Physics, Indian Institute of Science Education and Research–Pune, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8455, Mobile: 75069 46612, email: deepakdhar1951@gmail.com, sp. statistical physics; stochastic processes. **Council Service:** 2016–18.
- 2016 **Dhar**, Suman Kumar, b. 1968, Ph.D. (JNU), FNASc, FNA, Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Mehrauli Road, New Delhi 110 067, Tel. Off. (011) 2674 2572, Res. (011) 2674 2476, Mobile: 98100 18272, Fax (011) 2674 1781, email: skdhar2002@yahoo.co.in; skdhar@mail.jnu.ac.in, URL: <http://www.jnu.ac.in/Faculty/sdhar/cv.pdf>, sp. DNA replication; cell cycle control; molecular parasitology; bacteriology.
- 1993 **Dharmalingam**, Kuppamuthu, b. 1949, Ph.D. (MKU), FNASc, Director-Research, Aravind Medical Research Foundation, 1, Anna Nagar, Madurai 625 020, Tel. Off. (0452) 435 6550, Res. (0452) 245 9636, Mobile: 94431 48447, Fax (0452) 253 0984, email: dharmalingam.k@gmail.com, sp. molecular genetics; genetic engineering; proteomics of eye diseases; biotechnology.
- 2009 **Dhavale**, Dilip Dattatray, b. 1956, Ph.D. (Pune), FNASc, Distinguished Professor, Department of Chemistry, Savitribai Phule Pune University, Pune 411 007, Mobile: 94225 21594, email: ddd@chem.unipune.ac.in; dilipdhavale56@gmail.com, sp. synthesis of natural products; carbohydrate chemistry; peptide chemistry; photochemistry; reaction mechanism; medicinal chemistry.

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- Elected
Year
- 2002 **Dhurandhar**, Sanjeev Vishnu, b. 1951, Ph.D. (Bombay), FNASc, Inter-University Centre for Astronomy & Astrophysics, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4123, Fax (020) 2560 4699, email: sanjeev@iucaa.in, sp. gravitational waves; general relativity; theoretical astrophysics.
- 2013 **Dighe**, Amol, b. 1970, Ph.D. (Chicago), FNA, Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2423, Res. (022) 2280 4699, Mobile: 99673 96593, Fax (022) 2278 2777, email: amol@theory.tifr.res.in, URL: <http://theory.tifr.res.in/~amol/>, sp. particle physics phenomenology, astroparticle physics.
- 2010 **Dighe**, Rajan Ramakant, b. 1951, Ph.D. (IISc), FNASc, FNA, JC Bose National Fellow, INSA Senior Scientist, Department of Molecular Reproduction, Development & Genetics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3261, Res. (080) 2366 3313, Mobile: 99019 03513, Fax (080) 2360 0999, email: rdighe@alumni.iisc.ac.in; digherr@gmail.com, sp. molecular endocrinology; reproductive biology; biochemistry.
- 2000 **Dikshit**, Madhu, b. 1957, Ph.D. (Kanpur), FNASc, FNA, FAMS, JC Bose National Fellow, THSTI National Chair, Translational Health Science and Technology Institute, NCR Biotech Science Cluster, III Milestone, Faridabad 121 001, Mobile: 94151 11766, email: drmadhudikshit@gmail.com, sp. cardiovascular pharmacology; molecular pharmacology; redox biology; neutrophils & nitric oxide synthase. **Council Service:** 2016–18.
- 1999 **Dileep Kumar**, Maripi, b. 1954, Ph.D. (Andhra), FNA, FNASc, JC Bose National Fellow, CSIR–National Institute of Oceanography, Regional Centre, 176, Lawsons Bay Colony, Visakhapatnam 530 017, Tel. Off. (0891) 251 4018, Mobile: 94044 34053, Fax (0891) 254 3595, email: dileep@nio.org, sp. control of seawater composition; biogeochemical cycles; global change & chemical oceanography.
- 1974 **Dua-Sharma**, Sushil, b. 1926, MD (AIIMS), Ph.D. (Panjab), FAMS, Res. C-195, Ramprastha, P.O. Chandernagar, Ghaziabad 201 011, Mobile: 99863 39224, email: sduasharma@yahoo.co.in, sp. neurophysiology; reproductive biology; nutrition.
- 2015 **Dube**, Anuradha, b. 1955, Ph.D. (Kanpur), FNA, FNASc, JC Bose National Fellow, INSA Emeritus Scientist, Division of Parasitology, CSIR–Central Drug Research Institute, Sector 10, Jankipuram Extension, Sitapur Road, Lucknow 226 031, Tel. Off. (0522) 277 1940, Mobile: 94509 31332, Fax (0522) 277 1941, email: a_dube@cdri.res.in; anuradhadube@gmail.com, sp. parasite (*leishmania*); immunobiology; drug/vaccine development; model development.

Elected
Year

- 2012 **Durga Prasad**, Mallampalli, b. 1956, Ph.D. (Calcutta), School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4855, Res. (040) 2756 4164, Mobile: 94411 38784, Fax (040) 2301 2460, email: mdpsc@uohyd.ac.in, sp. theoretical chemistry; molecular vibrations.
- 2012 **Dutta**, Pradip, b. 1960, Ph.D. (Columbia), FNAE, FNASc, FNA, Department of Mechanical Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3225, Res. (080) 2699 3249, Mobile: 98450 10520, Fax (080) 2360 4536, email: pradip@iisc.ac.in, sp. heat transfer; energy studies.
- 2010 **Dutta-Gupta**, Aparna, b. 1953, Ph.D. (Banaras), FNA, FNASc, UGC-BSR Faculty Fellow, Department of Animal Biology, School of Life Sciences, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4560, Mobile: 78930 46218; 93910 74729, Fax (040) 2301 0120, email: apdgs@uohyd.ernet.in; aparnaduttagupta@gmail.com, sp. insect molecular physiology; integrated insect pest management; comparative physiology & endocrinology.
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- 1988 **Dutta Roy**, Suhash Chandra, b. 1937, D.Phil. (Calcutta), FNA, FNAE, FNASc, Res. 164, Hauz Khas Apartments (SFS), New Delhi 110 016, Tel. (011) 2696 3054, Mobile: 98714 70136, email: s.c.dutta.roy@gmail.com, sp. signal processing; network theory; electronic circuits.
- 1986 **Easwaran**, Kalpathy Ramaier Katchap, b. 1939, Ph.D. (IISc), FNA, Emeritus Professor, Department of Biotechnology, Ramaiah Institute of Technology, Bengaluru; INSA Honorary Scientist, Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Res. (080) 4094 3455, Mobile: 99866 22397, email: kalpathy.eswaran@gmail.com; krk_easwaran@yahoo.com, sp. structural biology; membrane biophysics; molecular biophysics.
- 1990 **Gadagkar**, Raghavendra, b. 1953, Ph.D. (IISc), FNA, FNASc, FTWAS, Foreign Assoc., US Natl. Acad. Sci., DST Year of Science Chair Professor, Centre for Ecological Sciences, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 1429; (080) 2293 2340, Res. (080) 2308 9677, Fax (080) 2360 1428, email: ragh@iisc.ac.in, URL: <http://ces.iisc.ac.in/hpg/ragh>, sp. animal behaviour; ecology; evolution. **Council Service:** 1995–2003; Secretary: 1995–2000.

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- 1979 **Gadgil**, Madhav Dhananjaya, b. 1942, Ph.D. (Harvard), FNA, FNASc, FTWAS, Foreign Assoc., US Natl. Acad. Sci., Res. A-18, Spring Flowers, Panchavati, Pashan, Pune 411 008, Tel. (020) 2589 3424, Mobile: 98811 53413, email: madhav.gadgil@gmail.com, sp. ecology; environmental management & traditional knowledge systems; ecological history. **Council Service:** 1983–85; Secretary: 1983–85.
- 1985 **Gadgil**, Sulochana, b. 1944, Ph.D. (Harvard), FNA, Res. A-18, Spring Flowers, Panchavati, Pashan, Pune 411 008, Tel. (020) 2589 3424, email: sulugadgil@gmail.com, sp. meteorology; oceanography; evolutionary biology.
- 1991 **Gadre**, Shridhar Ramchandra, b. 1950, Ph.D. (IIT, Kanpur), FNA, Interdisciplinary School of Scientific Computing, Savitribai Phule Pune University, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 1406, Res. (020) 2421 4664, Mobile: 99606 24664, email: gadre@unipune.ac.in; gadre@iitk.ac.in, sp. quantum chemistry; computer applications.
- 2018 **Gahalaut**, Vineet Kumar, b. 1966, Ph.D. (Roorkee), Senior Principal Scientist, CSIR–National Geophysical Research Institute, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2701 2517, Mobile: 98495 98161, email: vkgahalaut@yahoo.com, sp. seismology; tectonic geodesy; geodynamics.
- 1974 **Gaitonde**, Bhikaji Balwant, b. 1926, MD (Mumbai), FAMS, Res. Banda District, Sindhudurg 416 511, Tel. (02363) 27 0272, Mobile: 94223 73099, email: bbgaitonde@yahoo.com, sp. communicable diseases; clinical pharmacology; indigenous drugs.
- 2010 **Galande**, Sanjeev, b. 1967, Ph.D. (IISc), Centre of Excellence in Epigenetics, Department of Biology, Indian Institute of Science Education and Research–Pune, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8060, Mobile: 99233 63737, Fax (020) 2025 1566, email: sanjeev@iiserpune.ac.in; sanjeev-galande@gmail.com, URL: <http://www.iiserpune.ac.in/~sanjeev/>, sp. epigenetics; chromatin biology; gene regulation; genomics & proteomics.
- 1990 **Gandhi**, Kandukuri Sivananda, b. 1942, Ph.D. (UC, Berkeley), Department of Chemical Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2320, Fax (080) 2360 8121, email: gandhi@iisc.ac.in, URL: <http://chemeng.iisc.ac.in/gandhi/home.html>, sp. batteries and fuel cells; multiphase fluid systems; polymer reaction engineering.

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- 1993 **Ganesh**, Krishnarajanagar Nagappa, b. 1953, Ph.D. (Delhi & Cambridge), FNA, FNASc, FTWAS, Director, Indian Institute of Science Education and Research–Tirupati, Sri Rama College (Transit Campus), Karkambadi Road, Mangalam Post, Tirupati 517 507, Tel. Off. (0877) 250 0210, Mobile: 97663 30320, Fax (0877) 250 0450, email: director@iisertirupati.ac.in, sp. bio-organic chemistry; biomolecular spectroscopy; chemistry & biology of nucleic acids; peptides & lipids. **Council Service:** 2013–18; Vice-President: 2016–18; Editor of Publications: January–March 2016.
- 2016 **Ganesh**, Subramaniam, b. 1968, Ph.D. (Banaras), FNASc, Department of Biological Sciences & Bioengineering, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 4040, Res. (0512) 259 8590, Fax (0512) 259 4010, email: sganesh@iitk.ac.in; ganpil@gmail.com, URL: home.iitk.ac.in/~sganesh/, sp. human molecular genetics; neurobiology of disease; stress biology.
- 1992 **Ganeshaiah**, Kotiganahalli Narayanagowda, b. 1953, Ph.D. (UAS, Bangalore), FNA, FNAAS, Res. No. 7, Pungavee Santhosh Vihar, 19th Cross, Jakkur Road, Bengaluru 560 092, Tel. (080) 4127 5765, Mobile: 93421 60639, email: knganeshaiah@gmail.com, sp. plant evolutionary biology; plant genetics & breeding; foraging ecology of ants; biodiversity & conservation; bio-resource databases.
- 2019 **Gangadhar**, Bangalore Nanjundaiah, b. 1955, MD (Bangalore), D.Sc. (SVYASA), FAMS, Director, National Institute of Mental Health and Neurosciences, Hosur Road, Bengaluru 560 029, Tel. Off. (080) 2699 5001, Res. (080) 2699 5053, Mobile: 94480 62040, Fax (080) 2656 4830, email: kalyanybg@yahoo.com, URL: http://www.nimhans.ac.in/director, sp. psychiatry; schizophrenia; yoga therapy; electroconvulsive therapy.
- 1996 **Gangal**, Sharad Vishwanath, b. 1937, Ph.D. (Bombay), FNASc, Director, Institute of Environmental Medicine, Kasturba Hospital, Mumbai; Res. Lakshmi Niwas, opp. Santoshi Mata Temple, (B-Cabin), Sane Guruji Path, Naupada, Thane 400 602, Tel. (022) 2537 6961, Mobile: 93249 24307; 99300 46871, email: sharadvgangal@hotmail.com, sp. allergy; immunology; biochemistry.
- 1990 **Gangal**, Sudha Gajanan, b. 1934, Ph.D. (Bombay), FNA, Research Advisor, BSDT Ayurveda Research Center, Pune; Res. 4, Mahavishnu Apartments, Dahanukar Colony A, Kothrud, Pune 411 029, Tel. (020) 2538 4382, Mobile: 99216 37998, email: sudha.gangal@yahoo.in, sp. cancer & basic immunology; cell biology; genetic diseases. **Council Service:** 1995–97.

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Year
- 2010 **Ganguli**, Ashok Kumar, b. 1961, Ph.D. (IISc), FNASc, Department of Chemistry, Indian Institute of Technology, New Delhi 110 016, Tel. Off. (011) 2659 1511; (011) 2659 6452, Res. (011) 2659 1654, Mobile: 98104 64112, Fax (011) 2685 4715, email: ashok@chemistry.iitd.ac.in; ashokganguliitd@gmail.com, URL: <http://web.iitd.ac.in/~ashokganguli/>, sp. microemulsions; nanostructured materials & devices; photo & electro catalysis; complex metal oxides; superconducting materials.
- 1992 **Ganguli**, Som Nath, b. 1940, Ph.D. (Bombay), Res. Flat No. 6, Aspiration Apartments, 32, Francois Martin Street, Kuruchikuppam, Puducherry 605 012, Tel. (0413) 234 4643, email: som_ganguli@yahoo.co.in, sp. high energy particle physics.
- 1994 **Ganguly**, Chaitanyamoy, b. 1946, Ph.D. (Calcutta), FNA, FNAE, FNASc, Distinguished Professor, Department of Nuclear Science & Technology, Pandit Deendayal Petroleum University, Gandhinagar; Res. Caladia, 703, The Botanika, Kondapur, Gachibowli, Hyderabad 500 032, Mobile: 80082 22016, email: chaitanya.ganguly@gmail.com; chm_ganguly@yahoo.com, sp. uranium, plutonium & thorium fuels and nuclear fuel cycle; energy & environment; advanced ceramics and powder metallurgy.
- 1995 **Ganguly**, Nirmal Kumar, b. 1941, MD (PGI, Chandigarh), D.Sc. (h.c.), FAMS, FNA, FNASc, FRC Path., (London), FTWAS, Visiting Professor of Eminence, Translational Health Science and Technology Institute, NCR Biotech Science Cluster, 3rd Milestone, Faridabad–Gurugram Expressway, PO Box No. 04, Faridabad 121 001, Tel. Off. (011) 4656 4590, Res. (0172) 268 7172, Mobile: 98115 04314, email: ganguly1nk@gmail.com; gangulynk41@yahoo.co.in, sp. microbiology; immunology; biotechnology; public health.
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- 2014 **Garg**, Naveen, b. 1971, Ph.D. (IIT, Delhi), Department of Computer Science and Engineering, Indian Institute of Technology–Delhi, Hauz Khas, New Delhi 110 016, Tel. Off. (011) 2659 1296, Res. (011) 2659 6941, Mobile: 97114 05176, Fax (011) 2658 1060, email: naveen@cse.iitd.ac.in, URL: <http://www/cse.iitd.ac.in/~naveen>, sp. approximation algorithms; combinatorial optimization; graph theory & algorithms.
- 1985 **Gaur**, Vinod Kumar, b. 1936, Ph.D. (London), FNA, FNASc, FTWAS, 101, Windsor Court, 17, Millers Road, Bengaluru 500 046, Tel. (080) 2343 7410, Mobile: 94536 29839, email: gaurvinod36@gmail.com, sp. seismotectonics; geophysical inversion; earth system sciences. **Council Service:** 1992–97; Editor of Publications: 1995–97.

- Elected
Year
- 2003 **Gavai**, Rajiv Vasantao, b. 1954, Ph.D. (Bombay), FNA, Visiting Professor, Fakultät fuer Physik, Universität Bielefeld, 33615 Bielefeld, Germany, Tel. Off. (+49-521) 106 6222, Fax (+49-521) 106 2961, email: gavai@physik.uni-bielefeld.de; gavai@tifr.res.in, URL: <http://theory.tifr.res.in/~gavai>, sp. high energy physics; quantum field theory; lattice field theories; quark-gluon plasma; relativistic heavy ion collisions & early universe.
- 2019 **George**, Subi Jacob, b. 1977, Ph.D. (CUSAT), Associate Professor, New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2964, Res. (080) 2369 0615, Mobile: 99167 29572, Fax (080) 2208 2766, email: george@jncasr.ac.in; subijg@gmail.com, URL: www.jncasr.ac.in/george, sp. supra-molecular chemistry; organic materials.
- 2008 **George Thomas**, Kakkudiyil, b. 1961, Ph.D. (Kerala), FNA, School of Chemistry, Indian Institute of Science Education and Research–Thiruvananthapuram, Maruthamala PO, Vithura, Thiruvananthapuram 695 551, Tel. Off. (0471) 277 8040, Res. (0471) 254 2245, Mobile: 98473 56057, email: kgt@iisertvm.ac.in, sp. photochemistry & photophysics; plasmonic and semiconductor nanomaterials; photoresponsive materials.
- 1976 **Gharda**, Keki Hormusji, b. 1929, Ph.D. (Michigan), Chairman and Managing Director, Gharda Chemicals Limited, Gharda House, 5th Floor (next to ELCO Shopping Centre), 48, Hill Road, Bandra West, Mumbai 400 050, Tel. Off. (022) 6626 5638, Fax (022) 6626 5699, email: kgharda@gharda.com, sp. process design of organic chemical plants; high performance pigments & polymers.
- 2014 **Ghate**, Eknath, b. 1969, Ph.D. (UC, Los Angeles), School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2663, Res. (022) 2280 4562, Mobile: 98201 94361, Fax (022) 2280 4610, email: eghate@math.tifr.res.in, URL: www.math.tifr.res.in/~eghate, sp. number theory; automorphic forms; Galois representations; arithmetic geometry.
- 2019 **Ghorai**, Manas Kumar, b. 1967, Ph.D. (Pune), FNASc, Department of Chemistry, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7518, Res.(0512) 259 8802, Mobile: 94151 25895, Fax (0512) 259 6806, email: mkghorai@iitk.ac.in; ghorai.manask@gmail.com, URL: <http://home.iitk.ac.in/~mkghorai/>, sp. synthetic organic chemistry.

- Elected
Year
- 2000 **Ghosh, Amit**, b. 1944, Ph.D. (Calcutta), D.Sc.(h.c.) FNA, FNASc, NASI JC Bose Chair Professor, National Institute of Cholera & Enteric Diseases, JICA Building, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700 010, Tel. Res. (033) 4603 3573, Mobile: 94336 92858, email: amitghosh24@yahoo.com, sp. molecular biology of *V. cholerae*.
- 1998 **Ghosh, Amitabha**, b. 1941, Ph.D. (Calcutta), D.Sc. (h.c.), FNA, FNASc, FNAE, INSA Honorary Senior Scientist & Honorary Distinguished Professor, Indian Institute of Engineering Science & Technology, Shibpur, P.O. Botanic Garden, Howrah 711 103, Tel. Off. (033) 2668 0521/441, Res. (033) 2668 2424, Fax (033) 2668 2916, email: amitabha@iitk.ac.in; amitabhaitk@gmail.com, sp. manufacturing science; machine dynamics & mechanisms; robotics; classical mechanics.
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- 2018 **Ghosh, Anish**, b. 1979, Ph.D. (Brandeis), School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2282, Mobile: 95584 69829, Fax (022) 2280 4610, email: ghosh@math.tifr.res.in, URL: <http://sites.google.com/site/anishghoshtifr/>, sp. ergodic theory; lie groups; number theory.
- 2015 **Ghosh, Arindam**, b. 1969, Ph.D. (IISc), FNASc, FNA, Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3288, Res. (080) 6568 4779, Mobile: 98800 64200, Fax (080) 2360 2602, email: arindam@iisc.ac.in, URL: www.physics.iisc.ernet.in/~arindam/, sp. experimental condensed matter physics; semiconductor physics; nanodevice.
- 2017 **Ghosh, Ashutosh**, b. 1959, Ph.D. (Jadavpur), Department of Chemistry, University College of Science, University of Calcutta, 92, APC Road, Kolkata 700 009, Tel. Off. (033) 2241 3288, Res. (033) 2359 9298, Mobile: 94333 44484, Fax (033) 2241 3222, email: agchem@caluniv.ac.in; ghosh_59@yahoo.com, sp. coordination chemistry; crystal structure, magnetic properties and catalysis; analytical chemistry.
- 2009 **Ghosh, Aswini**, b. 1953, Ph.D. (Jadavpur), FNA, JC Bose National Fellow, School of Physical Sciences, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1314, Res. (033) 2425 8642, Mobile: 90073 57514, Fax (033) 2473 2805, email: sspag@iacs.res.in; aswghosh@gmail.com, URL: <http://iacs.res.in/faculty-profile.html?id=71>, sp. condensed matter & materials physics; glasses, polymers & nanomaterials; structure, broadband dielectric spectroscopy; relaxation dynamics of charge carriers & scaling.

Elected Year	
2010	Ghosh, Balaram , b. 1955, Ph.D. (Calcutta), FNA, FNASc, JC Bose National Fellow, Distinguished Professor (AcSIR), CSIR–Institute of Genomics & Integrative Biology, Mall Road, Delhi 110 007, Tel. Off. (011) 2766 2580, Res. (011) 2786 0108, Mobile: 98713 86414, Fax (011) 2766 4771, email: bghosh@igib.res.in, sp. immunology; genomics; gene regulation.
2013	Ghosh, Hirendra Nath , b. 1966, Ph.D. (Bombay), FNASc, FNA, Institute of Nano Science and Technology, Mohali, SAS Nagar 160 062, Tel. Off. (0172) 221 0075; (0172) 221 0056, Res. 99300 42720, Mobile: 99201 65111, Fax (0172) 221 1074, email: hngghosh@inst.ac.in; hngghosh2004@gmail.com, sp. radiation & photochemistry; quantum dot & nanomaterials; 2D materials; ultrafast spectroscopy in condensed phase; terahertz spectroscopy.
2000	Ghosh, Mrinal Kanti , b. 1956, Ph.D. (IISc), FNASc, Department of Mathematics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3210, Res. (080) 2360 1380, Fax (080) 2360 0146, email: mkg@iisc.ac.in, sp. stochastic control; stochastic differential games; stochastic finance.
2016	Ghosh, Pradyut , b. 1970, Ph.D. (IIT, Kanpur), School of Chemical Sciences, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1351, Res. 98753 88914, Mobile: 94331 38075, Fax (033) 2473 2805, email: icpg@iacs.res.in; icpg.iacs@gmail.com, URL: http://iacs.res.in/faculty-profile.html?id=48 , sp. molecular recognition; chemical sensing; interlocked molecular systems; molecular self-assembly; catalysis.
2010	Ghosh, Pushpito Kumar , b. 1954, Ph.D. (Princeton), Emeritus Professor, CSIR–Central Salt & Marine Chemicals Research Institute, Bhavnagar; Res. A-604, Punit Park, Plot No. 182/C, Sector 17, Merul, Navi Mumbai 400 706, Tel. (022) 2770 1153, Mobile: 98203 63115, email: pushpitokghosh@gmail.com, sp. process research; water purification; renewable energy; R&D management.
1998	Ghosh, Subir Kumar , b. 1953, Ph.D. (Bombay), Department of Computer Science, School of Mathematical Sciences, Ramakrishna Mission Vivekananda University, Belur Math, Howrah 711 202, Tel. Off. (033) 2654 9999, Res. (033) 2359 1383, Mobile: 98690 43223, Fax (033) 2654 4640, email: ghosh@tifr.res.in, URL: http://cs.rkmvu.ac.in/~sghosh/ , sp. computational geometry & applications; design and analysis of algorithms; robot motion planning; geometric graph theory; discrete applied mathematics.
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- Elected
Year
- 1998 **Ghosh, Subrata**, b. 1950, Ph.D. (Calcutta), FNA, INSA Senior Scientist, Department of Organic Chemistry, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1402, Res. (033) 2425 9763, Mobile: 98304 50170, Fax (033) 2473 2805, email: ocs@iacs.res.in; ocs2004@yahoo.co.in, sp. cycloaddition reactions; total synthesis of natural products.
- 2017 **Ghosh, Sundargopal**, b. 1968, Ph.D. (IIT, Bombay), Department of Chemistry, Indian Institute of Technology–Madras, Chennai 600 036, Tel. Off. (044) 2257 4230, Res. (044) 2257 6230, Mobile: 98844 32944, Fax (044) 2257 4202, email: sghosh@iitm.ac.in, URL: <http://chem.iitm.ac.in/profghosh/index.html>, sp. main group chemistry; organometallic chemistry.
- 1991 **Ghosh, Swapan Kumar**, b. 1949, Ph.D. (IIT, Bombay), FNA, FNASc, FTWAS, Distinguished Professor & Dean, Academic Affairs, UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai, Kalina Campus, Santacruz, Mumbai 400 098, Tel. Res. (022) 2754 9108, Mobile: 92229 89108, email: swapankghosh@gmail.com, URL: sp. theoretical chemistry; computational materials science; soft condensed matter physics.
- 2006 **Ghosh, Swarna Kanti**, b. 1955, Ph.D. (Bombay), FNASc, Senior Professor, Department of Astronomy and Astrophysics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2364, Res. (022) 2280 4645, Mobile: 98672 04645, Fax (022) 2280 4610, email: swarna@tifr.res.in, sp. infrared astronomy; interstellar medium; astronomical instrumentation.
- 1992 **Godbole, Rohini Madhusudan**, b. 1952, Ph.D. (SUNY, Stony Brook), D.Litt. (SNDTWU), FNA, FNASc, FTWAS, JC Bose National Fellow, Centre for High Energy Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2845; (080) 2360 7798, Res. (080) 2360 8357, Mobile: 94481 18357, Fax (080) 2360 0683, email: rohini@iisc.ac.in; godbolem@gmail.com, sp. elementary particle physics; field theory; phenomenology. **Council Service:** 2019–.
- 1994 **Godwal, Budhiram Kulanand**, b. 1946, Ph.D. (Bombay), FNASc, Research Scientist, University of California, Berkeley, USA; Res. 28, Creekview Co-operative Housing Society, Plot No. 33-34, Sector 9A, Vashi, Navi Mumbai 400 703, Tel. (022) 2780 1211, email: bkgodwal@gmail.com, sp. high pressure physics; electron states; dense plasma physics; planetary science.

Elected
Year

- 1992 **Goel**, Prem Shanker, b. 1947, Ph.D. (Bangalore), FNAE, FNASc, FNA, FTWAS, Honorary Distinguished Professor, ISRO, Bengaluru; Dr Raja Ramanna Chair Professor, National Institute of Advanced Studies, IISc Campus, Bengaluru 560 012, Tel. Off. (080) 2217 2150; (080) 2218 5072, Mobile: 99100 49388; 73826 18774, email: dr.psgoel@gmail.com, sp. satellite control systems; space technology; earth systems.
- 2007 **Gokhale**, Rajesh Sudhir, b. 1967, Ph.D. (IISc), FNA, FNASc, Staff Scientist VII, National Institute of Immunology, Arun Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2670 3545, Fax (011) 2674 2125, email: rsg@nii.res.in, sp. chemical biology; *Mycobacterium tuberculosis*; immunometabolism; skin biology; vitiligo.
- 2009 **Gopakumar**, Rajesh, b. 1967, Ph.D. (Princeton), FNA, FNASc, FTWAS, Director & Senior Professor, International Centre for Theoretical Sciences, Shivakote, Hesaraghatta Post, Bengaluru 560 089, Tel. Off. (080) 4653 6020, Res. (080) 2369 1708, Mobile: 87624 68582, email: rajesh.gopakumar@icts.res.in; gopakumr@gmail.com, sp. theoretical physics; primarily quantum field theory; string theory.
- 2013 **Gopal**, Balasubramanian, b. 1970, Ph.D. (IISc), FNASc, FNA, Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3219, Res. (080) 2360 2838, Mobile: 98804 50577, Fax (080) 2360 0535, email: bgopal@iisc.ac.in, URL: <http://mbu.iisc.ac.in/~bggrp/>, sp. structural biology; molecular microbiology; molecular biophysics.
- 320
- 1993 **Gopal Krishna**, b. 1948, Ph.D. (Bombay), FNA, FNASc, INSA Senior Scientist, UM-DAE Centre for Excellence in Basic Sciences, Mumbai; Res. 18, Cozy Retreat, Road No. 3, Sindh Society, Aundh, Pune 411 007, Mobile: 98504 15719, email: gopaltani@gmail.com, sp. astronomy; active galaxies; observational cosmology.
- 1988 **Gopalakrishnan**, Jagannatha, b. 1944, Ph.D. (IISc), FNA, FNASc, Professor Emeritus, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2537, Res. (080) 2334 5163, Mobile: 94495 45185, email: gopalkrish@iisc.ac.in, sp. solid state chemistry; synthesis & structure; chemistry of oxide materials.

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Year
- 2013 **Gopalakrishnan**, Srinivasan, b. 1960, Ph.D. (Purdue), FNAE, Department of Aerospace Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3019, Res. (080) 2360 4551, Fax (080) 2360 0134, Mobile: 99805 42142, email: krishnan@iisc.ac.in, URL: <http://www.aero.iisc.ernet.in/users/gopalakrishnan>, sp. wave propagation; structural health monitoring; computational mechanics.
- 1983 **Gopalan**, Kunchithapadam, b. 1938, Ph.D. (IISc), FNA, FNASc, Res. 38765 Adcock Drive, Fremont, California 94536, USA, Tel. (+1-510) 386 4484; (+1-510) 792 4558, email: gopalan1@rediffmail.com; mompattu@gmail.com, sp. geo- & cosmo-chronology; isotope geology; mass spectrometry.
- 2011 **Gopidas**, Karical Raman, b. 1957, Ph.D. (IIT, Kanpur), CSIR Emeritus Scientist, Chemical Sciences & Technology Division, CSIR–National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram 695 019, Tel. Off. (0471) 251 5390, Mobile: 94465 20537, Fax (0471) 249 1712, email: gopidaskr@gmail.com; gopidaskr@niist.res.in, sp. photochemistry; photoinduced electron transfer; supramolecular chemistry.
- 2011 **Gopinath**, Chinnakonda Subramanian, b. 1964, Ph.D. (IIT, Madras), Chief Scientist and Chairman, Catalysis and Inorganic Chemistry Division and Centre of Excellence on Surface Science, CSIR–National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 2009/2043, Res. (020) 2587 1061, Mobile: 70285 57277, Fax (020) 2590 2633, email: cs.gopinath@ncl.res.in, URL: <http://academic.ncl.res.in/cs.gopinath>, sp. surface science; heterogeneous catalysis; spectroscopy; water splitting; materials science.
- 1992 **Gopinath**, Gomathy, b. 1940, MS (AIIMS), FAMS, FNASc, Res. Flat No. 001, Kanchanjunga Apartments, 122/2 Nagavara-palya, 2nd Cross Road, C.V. Raman Nagar P.O, Bengaluru 560 093, Tel. (080) 2524 7584, Mobile: 98453 38134, Fax(080) 2524 7817, email: gomathygopinathnair@gmail.com; gomathyg@hotmail.com, sp. developmental neurobiology; environment & neural plasticity; neural transplantation.
- 1987 **Gopinathan**, Karumathil Puthanveetil, b. 1939, Ph.D. (IISc), FNA, FNASc, Department of Microbiology & Cell Biology, Indian Institute of Science, Bengaluru; Res. Abhiman, 369, 11th Cross, II Block, R.T. Nagar, Bengaluru 560 032, Tel. Off. (080) 2360 0090, Res. (080) 2333 3861, Mobile: 97314 40030, email: kpg@iisc.ac.in, sp. molecular biology; recombinant DNA & genetic engineering; molecular virology; biotechnology & developmental biology.

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- 1988 **Gopinathan**, Melethil Sankaran, b. 1942, Ph.D. (IIT, Kanpur), FNA, Res. PLRA, 177, Kodunganur P.O., Vattiyurkavu, Thiruvananthapuram 695 013, Mobile: 94003 65155, email: msgopinathan@gmail.com, sp. quantum chemistry; non-linear dynamics in chemistry & biology.
- 1997 **Gore**, Anil Purushottam, b. 1947, Ph.D. (Kentucky), Res. Bakul, 40, Empress Garden Society, Sopan Baug, Pune 411 001, Mobile: 94235 33339, email: goreanil@gmail.com; gore_anil@yahoo.com, sp. non-parametric inference & statistical ecology; analysis of clinical trials.
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- 1996 **Goswami**, Bhupendra Nath, b. 1950, Ph.D. (Gujarat), FNA, FNASc, FTWAS, SERB Distinguished Fellow, Department of Physics, Cotton University, Guwahati 781 001, Mobile: 98602 01144, email: bhupengoswami100@gmail.com, URL: <http://www.tropmet.res.in/~bng/index.html>, sp. tropical meteorology; monsoon dynamics; predictability of weather & climate; air–sea interactions. **Council Service**: 2010–12.
- 2015 **Goswami**, Debashish, b. 1972, Ph.D. (ISI, Delhi), Statistics and Mathematics Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata 700 108, Tel. Off. (033) 2575 3420, Res. (033) 2381 5643, Mobile: 98364 89980, Fax (033) 2577 3071, email: goswamid@isical.ac.in; debashish_goswami@yahoo.co.in, sp. noncommutative geometry; quantum groups; operator algebras.
- 1992 **Goswami**, Jitendra Nath, b. 1950, Ph.D. (Gujarat), FNA, FNASc, FTWAS, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4516, Res. (079) 2685 4355, Fax (079) 2630 0374, email: goswami@prl.res.in, URL: www.prl.res.in, sp. solar system studies, planetary exploration; pre-solar (stellar) processes; geochronology. **Council Service**: 2004–09.
- 2008 **Goswami**, Ravinder, b. 1963, MD (Maulana Azad Medical College), D.M. (AIIMS), FNASc, FAMS, Department of Endocrinology & Metabolism, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 4272, Res. (011) 2658 9837, Mobile: 98181 30879, Fax (011) 2658 8641, email: gosravinder@hotmail.com, sp. autoimmune endocrine disorders; sporadic idiopathic hypoparathyroidism; metabolic bone disorders including Vitamin D deficiency in India.
- 2004 **Goswami**, Sreebrata, b. 1956, Ph.D. (Jadavpur), FNA, School of Chemical Sciences, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1356, Res. (033) 2541 6361, Fax (033) 2473 2805, email: icsg@iacs.res.in, sp. inorganic chemistry; chemical reactions with metal-ligand co-operation; chemical catalysis; material design for ultra-low energy computing.

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Year
- 2017 **Goswami**, Srubabati, b. 1966, Ph.D. (Calcutta), FNASc, FNA, Senior Professor, Theory Division, Physical Research Laboratory, Ahmedabad 380 009, Tel. Off. (079) 2631 4471, email: sruba@prl.res.in, sp. high energy physics; astroparticle physics; neutrino physics.
- 1978 **Govil**, Girjesh, b. 1940, Ph.D. (Bombay), FNA, FNASc, FTWAS, NASI Senior Scientist, Department of Chemical Sciences, TIFR, Mumbai; Res. 302, Vigyanshila, Juhu-Versova Link Road, 7, Bungalows, Mumbai 400 061, Tel. Off. (022) 2278 2371, Res. (022) 2635 1251, Mobile: 98675 74613, Fax (022) 2280 4610, email: govil@tifr.res.in, sp. molecular biophysics.
- 2010 **Govindarajan**, Rama, b. 1962, Ph.D. (IISc), FNASc, International Centre for Theoretical Sciences, Shivakote, Hesaraghatta Post, Bengaluru 560 089, Tel. Off. (080) 4653 6370, Res. (080) 2308 9166, Mobile: 81066 71309, email: rama@icts.res.in, sp. fluid mechanics.
- 1992 **Gowrishankar**, Jayaraman, b. 1956, Ph.D. (Melbourne), FNA, FNASc, Director, Indian Institute of Science Education and Research–Mohali, Sector 81, Knowledge City, Manauli P.O., SAS Nagar 140 306, Tel. Off. (0172) 224 0266, Res. (0172) 224 0113, Mobile: 91604 30111, Fax (0172) 224 0124, email: director@iisermohali.ac.in, sp. microbial & molecular genetics.
- 2007 **Grover**, Anil, b. 1958, Ph.D. (IARI), FNA, FNASc, FNAAS, Department of Plant Molecular Biology, University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021, Tel. Off. (011) 2411 5097, Res. (011) 4985 4674, Mobile: 98716 18167, Fax (011) 2411 5270, email: anil.anilgrover@gmail.com; agrover@south.du.ac.in, sp. plant abiotic stress responses; plant biotechnology & molecular biology; crop science.
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- 1997 **Grover**, Arun Kumar, b. 1951, Ph.D. (TIFR), FNASc, DAE-Raja Ramanna Fellow, Honorary Emeritus Professor, Department of Applied Sciences, Punjab Engineering College, Chandigarh; Res. No. 157, FF, Sector 16-A, Chandigarh 160 015, email: arungrover@gmail.com, sp. magnetism & superconductivity; vortex state studies in superconductors; strongly correlated systems. **Council Service:** 2016–18; Vice-President: 2016–18.
- 1994 **Gupta**, Alok Krishna, b. 1942, Ph.D. (Pittsburgh), D.Sc. (h.c.) (Burdwan), FNA, FNASc, Adjunct Professor, Indian School of Mines, Dhanbad; Res. E-202, Green Valley Apartments, Kaikhali Chiria More, Kolkata 700 136, Tel. Res. (033) 2573 0548, Mobile: 86013 50902, email: alok.krishna.gupta@gmail.com, URL: www.alokkrishnagupta.com, sp. experimental petrology; mineralogy; geochemistry; thermodynamics.

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Year

- 2008 **Gupta**, Anil Kumar, b. 1960, Ph.D. (Banaras), FNASc, FNA, FTWAS, Department of Geology and Geophysics, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 3368, Mobile: 94340 21903; 81266 61820, email: anilg@gg.iitkgp.ac.in; anilgupta021160@gmail.com, sp. paleomonsoon; paleo-climatology; paleoceanography.
- 1987 **Gupta**, Chhitar Mal, b. 1944, Ph.D. (Agra), FNA, FNASc, FAMS, FTWAS, Distinguished Professor and Infosys Chair, Room No. GF-18, Institute of Bioinformatics and Applied Biotechnology, Biotech Park, Electronics City, Phase I, Bengaluru 560 100, Tel. Off. (080) 2852 8900-2/109, Res. (080) 4090 3534, email: guptacm@ibab.ac.in; cm44gupta@gmail.com, sp. membrane biology; bio-organic chemistry; molecular biophysics & molecular cell biology. **Council Service:** 1998–2000.
- 1989 **Gupta**, Laxmi Chand, b. 1938, Ph.D. (Bombay), FNA, FNASc, FTWAS, Res. 403, Vigyanshila Co-operative Housing Society, Juhu-Versova Link Road, Andheri West, Mumbai 400 061, Tel. (022) 2631 4555, email: lcgupta@tifr.res.in; lcgupta38@yahoo.com, sp. superconductivity & magnetism; Quaternary borocarbide superconductors; NMR/NQR/Mu-SR; valence fluctuations; heavy fermion phenomena, multiferroics.
- 2007 **Gupta**, Pradeep Kumar, b. 1954, Ph.D. (Heriot Watt), FNASc, Visiting Professor, Department of Physics, Indian Institute of Technology–Delhi, Hauz Khas, New Delhi 110 016, Mobile: 91311 81110, email: pkgupta54@gmail.com, sp. lasers; biomedical applications of lasers; nonlinear optics, laser materials.
- 1989 **Gupta**, Pushpendra Kumar, b. 1936, Ph.D. (Manitoba), FNA, FNASc, FNAAS, INSA Honorary Scientist and Honorary Emeritus Professor, Department of Genetics & Plant Breeding, CCS University, Meerut 250 004, Tel. Off. (0121) 276 8195, Res. (0121) 276 2505, Mobile: 94116 19105, email: pkgupta36@gmail.com, sp. cytogenetics; genetics & plant breeding; crop biotechnology.
- 1987 **Gupta**, Santosh Kumar, b. 1946, Ph.D. (Pennsylvania), FNASc, FNAE, Distinguished Professor, Department of Chemical Engineering, University of Petroleum & Energy Studies, Bidholi (via Prem Nagar), Dehradun 248 007, Mobile: 95542 72320, email: skgupta@ddn.upes.ac.in; skgupta@iitk.ac.in, URL: <http://www.iitk.ac.in/che/faculty/skgupta.htm>, sp. polymer engineering & science; bio-mimetic adaptations of multi-objective evolutionary algorithms; experimental on-line optimal control.

Elected
Year

- 1999 **Gupta**, Satish Kumar, b. 1953, Ph.D. (AIIMS), FNA, FNASc, FAMS, JC Bose National Fellow, Emeritus Scientist, Reproductive Cell Biology Laboratory, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 1249, Mobile: 98109 66357, Fax (011) 2674 2125, email: skgupta@nii.ac.in, sp. reproductive immunology; vaccines; antibody engineering.
- 2011 **Gupta**, Sourendu, b. 1959, Ph.D. (Bombay), FNA, Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2245, Res. (022) 2278 3245, Fax (022) 2278 2777, email: sgupta@tifr.res.in; sgupta@theory.tifr.res.in, sp. particle physics; lattice field theory.
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- 2008 **Gupta**, Yashwant, b. 1962, Ph.D. (UC, San Diego), FNASc, Centre Director, National Centre for Radio Astrophysics, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2571 9000; (020) 2571 9242, Res. (020) 2571 9342, Mobile: 98810 61930, Fax (020) 2569 7257, email: ygupta@ncra.tifr.res.in, sp. astronomy & astrophysics; radio astronomy instrumentation; signal processing.
- 1996 **Gurjar**, Mukund Keshao, b. 1952, Ph.D. (Nagpur & London), FNASc, Director (R&D) & Chief Scientific Officer, Emcure Pharmaceuticals Limited, P2, ITBT Park, Phase II, MIDC, Hinjwadi, Pune 411 057, Tel. Off. (020) 3982 1350; (020) 3982 1300, Res. (020) 2588 7674, Mobile: 98603 00001, Fax (020) 3982 1445, email: mukund.gurjar@emcure.co.in, URL: <http://www.emcure.co.in>, sp. organic chemistry; carbohydrate chemistry; synthetic organic chemistry.
- 1996 **Gurtu**, Atul, b. 1946, Ph.D. (Panjab), Res. B-303, Vigyanshila, Juhu-Versova Link Road, Seven Bungalows, Andheri (W), Mumbai 400 061, Tel. (022) 2631 1621, Mobile: 96198 47035, email: atul.gurtu@gmail.com, sp. experimental high energy physics.
- 2006 **Guru Row**, Tayur Narasingarao, b. 1951, Ph.D. (IISc), FNA, FRSC, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2796, Res. (080) 2242 6423, Mobile: 98805 09225, Fax (080) 2360 1310, email: gururow@iisc.ac.in; gururow@gmail.com, sp. chemical crystallography; charge density analysis; functional materials; polymorphism & drug design. Editor of Publications: April-December 2016.

Elected
Year

- 2016 **Habib, Saman**, b. 1968, Ph.D. (JNU), FNASc, Division of Molecular & Structural Biology, CSIR–Central Drug Research Institute, Sector 10, Jankipuram Extension, Sitapur Road, Lucknow 226 031, Tel. Off. (0522) 277 2477/4447, Res. (0522) 220 4430, Mobile: 93352 48113, Fax (0522) 277 1941, email: saman_habib@cdri.res.in; saman.habib@gmail.com, sp. molecular & cell biology; parasitology; biochemistry.
- 2010 **Haider, Syed Aftab**, b. 1958, Ph.D. (Banaras), FNA, FNASc, JC Bose National Fellow, Honorary Scientist A, Coordinator of Planetary Sciences & Exploration Division and Senior Professor, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4950, Mobile: 96623 27992, Fax (079) 2631 4659, email: haider@prl.res.in, URL: <http://www.prl.res.in/~haider>, sp. planetary atmospheres; ionosphere of Mars; magnetosphere of Mars.
- 1982 **Hans-Gill, Rajinder Jeet**, b. 1943, Ph.D. (Ohio), FNA, FNASc, FTWAS, Emeritus Professor, Department of Mathematics, Panjab University, Chandigarh 160 014, Tel. Off. & Fax (0172) 254 1132; (0172) 253 4512, Res. (0172) 262 4837, Mobile: 98153 45850, email: hansgill@pu.ac.in; hansgillrj@yahoo.co.in, sp. number theory; geometry of numbers; discrete geometry.
- 2016 **Hariharan, Ramesh**, b. 1969, Ph.D. (Courant Inst., NY, USA), Chief Technology Officer, Strand Life Sciences, 5th Floor, Kirloskar Business Park, Hebbal, Bengaluru 560 024, Tel. Off. (080) 4078 7263, Res. (080) 2333 3366, Mobile: 98450 87669, email: ramesh@strandls.com, URL: www.hariharan-ramesh.com, sp. design & analysis of algorithms; computational biology; molecular diagnostics.
- 2011 **Haritsa, Jayant Ramaswamy**, b. 1964, Ph.D. (Wisconsin), FNAE, FNASc, FIEEE, Department of Computational & Data Sciences, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2793, Res. (080) 2657 8609, Mobile: 94490 15894, Fax (080) 2360 2648, email: jharitsa@gmail.com, sp. database systems.
- 1988 **Harjit Singh**, b. 1938, Ph.D. (Panjab), FNA, FNASc, Emeritus Professor, Department of Chemistry, Guru Nanak Dev University, Amritsar 143 005, Mobile: 94656 70668, email: harjit_gndu@yahoo.co.in, sp. organic synthesis & heterocycles.
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Year
- 2006 **Hasan**, Gaiti, b. 1956, Ph.D. (Cambridge), FNA, Senior Professor, National Centre for Biological Sciences, GKVK Campus, Bellary Road, Bengaluru 560 065, Tel. Off. (080) 2366 6140, Res. (080) 2361 3640, Fax (080) 2363 6462, email: gaiti@ncbs.res.in, URL: www.ncbs.res.in/gaiti/groups_gaiti.htm, sp. molecular genetics; drosophila; calcium signalling in neurons; inositol triphosphate receptor; transcriptomics; spino-cerebellar ataxia; neurodegeneration.
- 1995 **Hasnain**, Seyed Ehtesham, b. 1954, Ph.D. (JNU), D.Sc. (h.c.), D.Med.Sc. (h.c.), FNA, FNASc, FTWAS, Vice Chancellor, Jamia Hamdard, Hamdard Nagar, New Delhi 110 062, Tel. Off. (011) 2605 9662/5216 & 5213, email: sehiitd@gmail.com, URL: http://www.seyedehasnain.org.in, sp. functional biology; molecular pathogenesis & dissemination dynamics of human pathogens including; *M. tuberculosis*; drug repurposing. **Council Service:** 2004–06.
- 2020 **Hazra**, Subhra, b. 1982, Ph.D. (ISI), Statistics & Mathematics Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata 700 108, Tel. Off. (033) 2575 3408, Mobile: 94339 17209, email: rajatmaths@gmail.com, URL: https://sites.google.com/site/rshazra/, sp. probability; operator algebra; statistical physics.
- 1996 **Hegde**, Manjanath Subraya, b. 1945, Ph.D. (IIT, Kanpur), CSIR Emeritus Scientist, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2614, Res. (080) 2341 4573, Mobile: 94481 91880, Fax (080) 2360 1310, email: mshegde@sscu.iisc.ernet.in, sp. X-ray photoelectron spectroscopy; solid state chemistry; nanomaterials; automotive exhaust catalysis.
- 1994 **Hosur**, Ramakrishna Vijayacharya, b. 1953, Ph.D. (Bombay), FNA, FNASc, FTWAS, Visiting Professor, UM-DAE Centre for Excellence in Basic Sciences, Mumbai; Distinguished Visiting Professor, Indian Institute of Technology–Bombay, Mumbai 400 076, Mobile: 99870 51556; 77387 77336, email: hosur@tifr.res.in; rvhosur53@gmail.com, URL: www.tifr.res.in/~hosur, sp. structural biology; NMR spectroscopy; protein folding.
- 1991 **Ila**, Hiriyakkanavar, b. 1944, Ph.D. (IIT, Kanpur), FNA, Hindustan Lever Research Professor, New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru; Res. Apt. 002, Block VIII, Heritage Estate, Yelahanka, Bengaluru 560 064, Tel. Off. (080) 2208 2714, Res. (080) 4204 6874, Mobile: 99019 96421, email: hila@incasr.ac.in; sp. synthetic organic chemistry; heterocyclic chemistry; medicinal chemistry.

Elected
Year

- 2017 **Inamdar**, Maneesha Shreedhar, b. 1967, Ph.D. (TIFR), Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2818, Mobile: 99004 54365, Fax (080) 2208 2766, email: inamdar@jncasr.ac.in, URL: www.jncasr.ac.in/inamdar, sp. stem cell biology; cardiovascular development; hematopoiesis and angiogenesis.
- 1988 **Indira Nath**, b. 1938, MD (AIIMS), FRC Path., D.Sc. (h.c.), FNA, FNASc, FTWAS, FAMS, Res. 707, Sarvapriya Apartments, Sarvapriya Vihar, New Delhi 110 016, Tel. (011) 2651 7707, Mobile: 97171 04448, email: indiranath@gmail.com, sp. immunology; leprosy & pathology. **Council Service:** 1992–94, 1998–2006; Vice-President: 2001–2003.
- 2010 **Indrayan**, Abhaya, b. 1945, Ph.D. (Ohio State), FAMS, Res. A-037, Telecom City, B9/6, Sector 62, Noida 201 309, Tel. (0120) 454 9723, Mobile: 98103 15030, email: a.indrayan@gmail.com, URL: http://indrayan.weebly.com, sp. biostatistics; medical statistics; medical research methodology.
- 1995 **Iqbal**, Javed, b. 1947, Ph.D. (Delhi), FNA, Chairman, Cosmic Therapeutics, 48, Villa Greens, Gandipet, Hyderabad 500 075, Mobile: 98497 99444, email: prof.javediqbal@gmail.com; javed.iqbal@cosmictherapeutics.co.in, sp. medicinal chemistry; drug design & discovery; organometallic chemistry; catalysis.
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- 1975 **Irani**, Jamshed Jiji, b. 1936, D.Met, F.Eng, Ph.D. (Sheffield), FNAE, Res. No. 7, Beldih Lake, Northern Town, Jamshedpur 831 001, email: jirani@tata.com, sp. iron & steel making.
- 1990 **Iyengar**, Rangachar Narayana, b. 1943, Ph.D. (IISc), FNASc, FNAE, FGSI, Distinguished Professor & Director, Centre for Ancient History & Culture, Jain University, CMS Complex, 25th Main, JP Nagar 6th Phase, Bengaluru 560 078, Tel. Off. (080) 4343 0400, Mobile: 98800 30082, email: rn.iyengar@jainuniversity.ac.in; aareni@yahoo.com, sp. structural dynamics; earthquake engineering; applied stochasticity; rainfall studies; history of science.
- 2013 **Iyer**, Jaya Naganathan, b. 1970, Ph.D. (Bombay), FNASc, Professor H, Mathematics Group, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3306, Mobile: 90034 94708, Fax (044) 2254 1586, email: jniyer@imsc.res.in; ji_chennai2003@yahoo.com, URL: https://sites.google.com/site/homepagejniyer/, sp. algebraic geometry.

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Year
- 1989 **Jacob**, Kallarackel Thomas, b. 1944, Ph.D. (London), D.Sc. (Eng.) (London), FNA, FNASc, FNAE, Platinum Jubilee Fellow, Emeritus Professor & NASI Senior Scientist, Department of Materials Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2494, Res. (080) 2525 2765, Fax (080) 2360 0472, Mobile: 98454 79865, email: katob@iisc.ac.in, URL: <http://materials.iisc.ernet.in/faculty/ktj.html>, sp. thermodynamics of materials; phase equilibria; materials extraction & synthesis; solid state sensors; fuel cells & electrolyzers; high-temperature corrosion.
- 1988 **Jacob John**, Thekkekara, b. 1935, Ph.D. (Madras), FRCP (Edinburgh), FNA, FNASc, Res. 439, Civil Supplies Godown Lane, Kamalakshipuram, Vellore 632 002, Tel. (0416) 226 7364, Mobile: 78453 38188, email: tjacobjohn@yahoo.co.in, sp. infectious diseases & virology.
- 2002 **Jagannathan**, Naranamangalam Raghunathan, b. 1954, Ph.D. (Madras), FNASc, FAMS, FNA, JC Bose National Fellow, Professor of Eminence, Department of Radiology, Chettinad Academy of Research & Education, Chennai; Visiting Professor, Department of Radiology, Sri Ramachandra Institute of Higher Education and Research, Chennai; Res. Villa # B-7, Chettinad Health City, Rajiv Gandhi Salai, Kelambakkam, Chennai 603 103, email: nrjgj@yahoo.co.in; jagan1954@hotmail.com, sp. clinical and pre-clinical cancer research using molecular imaging; magnetic resonance imaging & in-vivo NMR spectroscopy applications in humans & animal systems; functional MR studies; metabolomics; biophysics.
- 2013 **Jagirdar**, Balaji Rao, b. 1965, Ph.D. (Kansas State), Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2825, Res. (080) 2360 2578, Mobile: 96325 22161, Fax (080) 2360 1552, email: jagirdar@iisc.ac.in, URL: <http://ipc.iisc.ac.in/brj.php>, sp. organometallic chemistry; materials chemistry; catalysis.
- 1975 **Jain**, Hari Krishan, b. 1930, Ph.D. (Wales), FNA, FNASc, Res. 40, Surya Niketan, Indraprastha Extension, Delhi 110 092, Tel. (011) 2237 3451, email: hkj2008@gmail.com, sp. genetics; plant breeding.
- 2007 **Jain**, Sanjay, b. 1960, Ph.D. (TIFR), Department of Physics & Astrophysics, University of Delhi, Delhi 110 007, Tel. Off. (011) 2766 7725/1342, Res. (011) 2245 6389, Mobile: 88008 43604, Fax (011) 2766 7061, email: jain@physics.du.ac.in; jain_physics@yahoo.co.in, URL: <http://people.du.ac.in/~jain/>, sp. mathematical modelling of complex systems; structure, dynamics & evolution of biological & social networks; theoretical systems biology.

Elected
Year

- 1993 **Jairajpuri**, Mohammad Shamim, b. 1942, Ph.D. & D.Sc. (Aligarh), D.Litt. (h.c.), FNA, FNASc, FNAAS, FTWAS, Res. Flat No. 104, 1st Floor, Block-B, 274, Aslam Manzil, Jamia Nagar (Okhla), New Delhi 110 025, Mobile: 95409 81665, email: msjairajpuri@gmail.com, sp. nematology/helminthology/parasitology; biological diversity; plant protection & biological control.
- 1997 **Jameel**, Shahid, b. 1957, Ph.D. (Washington State), FNA, FNASc, Chief Executive Officer, The Wellcome Trust/DBT India Alliance, 526, DLF Tower A, Jasola, New Delhi 110 025, Tel. Off. (011) 4100 8402; (011) 4100 8403, Res. (011) 2684 0631, email: shahid.jameel@indiaalliance.org; jameelshahid@gmail.com, sp. molecular biology; molecular virology.
- 2001 **Jayakrishnan**, Athipettah, b. 1953, Ph.D. (IIT, Chennai), DAE-Raja Ramanna Fellow, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram; Res. TC 7/1564-2, 7th Day School Road, Thirumla P.O., Thiruvananthapuram 695 006, Tel. Off. (0471) 278 1219, Res. (0471) 235 3309, Mobile: 99467 92226, email: drjk.sct@gmail.com; jayakrishnan1953@gmail.com, sp. polymer chemistry; biomaterials; controlled drug delivery.
- 2014 **Jayananda**, Mudlappa, b. 1959, Ph.D. (Bengaluru), FNASc, Centre for Earth, Ocean and Atmospheric Sciences, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 2676, Mobile: 86184 21127, email: mjayan.geol@gmail.com, sp. solid earth geochemistry; geochronology; Archean continental growth & tectonics of the evolving Earth.
- 1996 **Jayannavar**, Arun Mallojirao, b. 1956, Ph.D. (IISc), FNA, FNASc, Senior Professor, Institute of Physics, Sachivalaya Marg, Bhubaneswar 751 005, Tel. Off. (0674) 230 6424, Res. (0674) 230 6604, Mobile: 99372 03925, Fax (0674) 230 0142, email: jayan@iopb.res.in, sp. condensed matter physics; stochastic processes & their applications to physical problems; classical & quantum transport problems in random media; physics of mesoscopic systems.
- 2003 **Jayaram**, Vikram, b. 1956, Ph.D. (Stanford), FNASc, FNAE, FNA, FACerS, Department of Materials Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3243; (080) 2293 2263, Res. (080) 2337 5110, Fax (080) 2360 1198, email: qjayaram@iisc.ac.in, URL: <http://materials.iisc.ac.in/~qjayaram/>, sp. ceramics; thin films; electron microscopy; mechanical properties. **Council Service:** 2019–.

- Elected
Year
- 2006 **Jayaraman**, Achuthan, b.1957, Ph.D. (Gujarat), Sir M. Visvesvaraya – ISRO Chair Professor, Department of Physics, Bangalore University, Bengaluru 560 056, Tel. Off. (080) 2321 3447, Mobile: 70226 06214, email: jayaraman.achuthan@gmail.com, sp. atmospheric science; aerosols; radiative transfer.
- 1955 **Jayaraman**, Aiyasami, b. 1926, Ph.D. (Madras), Res. No. 1527 W. Augusta Avenue, Phoenix, AZ 85021, USA, Tel. (+1-727) 644 9850, email: aiyasami.jayaraman@gmail.com, sp. high pressure physics. **Council Service:** 1956–61; Treasurer: 1956–61.
- 2011 **Jayaraman**, Narayanaswamy, b.1964, Ph.D. (IIT, Kanpur), Department of Organic Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2578, Res. (080) 2357 0147, Mobile: 94484 63637, Fax (080) 2360 0529, email: jayaraman@orgchem.iisc.ernet.in, sp. carbohydrate chemistry; dendrimer chemistry; synthetic organic chemistry.
- 1992 **Jemmis**, Eluvathingal Devassy, b. 1951, Ph.D. (Princeton), FNA, FNASc, FTWAS, SERB Year of Science Chair Professor, Inorganic and Physical Chemistry Department, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3347-48, Res. (080) 2367 0324, Mobile: 94835 98097, Fax (080) 2360 1552; (080) 2360 0683, email: jemmis@iisc.ac.in; jemmis@gmail.com, URL: <http://ipc.iisc.ac.in/jemmis.php>, sp. theoretical & computational chemistry. **Council Service:** 2001–03.
- 1975 **Jena**, Prafulla Kumar, b. 1931, Ph.D. (Utkal), Chairman, Institute of Advance Technology & Environmental Studies, Bhubaneswar; President, Natural Resources Development Foundation, Plot No. 80A-83A, Lewis Road, Bhubaneswar 751 002, Tel. Off. (0674) 243 0243; (0674) 243 6956, Res. (0674) 243 0363, Mobile: 94376 97999, email: prof.pkjena_iates@yahoo.com; iatesbbsr@gmail.com, sp. extractive metallurgy; mineral processing; environmental engineering; physical chemistry and materials processing.
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- 1974 **Jha**, Sudhanshu Shekhar, b. 1940, Ph.D. (Stanford), FNA, FNASc, FTWAS, Res. 402 Vigyanshila, Juhu-Versova Link Road, Seven Bungalows, Andheri (W), Mumbai 400 061, Tel. (022) 2632 7413, Mobile: 98924 98234, email: ss_jhain@hotmail.com, sp. solid state theory; quantum computing; photonics. **Council Service:** 1989–94; Vice-President: 1989–91.

Elected
Year

- 2007 **Jhunjunwala**, Ashok, b. 1953, Ph.D. (Maine), FNA, FNASc, FNAE, FIEEE, Member-National Academy of Engineering, Indian Institute of Technology–Madras, Chennai 600 036, Tel. Off. & Fax (044) 2257 0120; (044) 2257 4408, Res. (044) 2257 0202, Mobile: 94444 44408, email: ashok@tenet.res.in, sp. telecommunications; computer networks; fibre optics; solar PV systems and solar DC systems; ICT based education and healthcare; electric vehicles.
- 2007 **Jog**, Chanda Jayant, b. 1954, Ph.D. (SUNY, Stony Brook), FNASc, FNA, FTWAS, JC Bose National Fellow, Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3285; (080) 2360 7703, Res. (080) 2334 2340, Fax (080) 2360 2602, email: cjjog@physics.iisc.ernet.in, sp. galactic dynamics; interacting & star burst galaxies; interstellar molecular clouds. **Council Service:** 2016–18.
- 1995 **John**, Pucadyil Ittoop, b. 1941, Ph.D. (Aligarh), Consultant, Institute for Plasma Research, Bhat, Gandhinagar; Res. 7C Skyline Hillview, Kanjikuzhy, Kottayam 686 004, Tel. (0481) 257 0431, Mobile: 85890 72431, email: john.pucadyil@gmail.com, sp. plasma physics; intense particle beams; industrial applications of plasma.
- 1983 **Johri**, Man Mohan, b. 1940, Ph.D. (Delhi), FNA, Guest Faculty, University of Mumbai & DAE Centre for Excellence in Basic Sciences, Mumbai; Res. Flat No. 32, New Cosmos Co-operative Housing Society Limited, Juhu-Versova Link Road, Andheri (W), Mumbai 400 053, Tel. (022) 2670 3270, Mobile: 99305 64129, email: mjohri06915@yahoo.co.in, sp. plant biochemistry; molecular biology of plants; genetic engineering.
- 1988 **Joseph**, George, b. 1938, Ph.D. (Bombay), FNASc, FNAE, Res. 12/D1, Sterling City, Bopal, Ahmedabad 380 058, Tel. (02717) 23 1535, Mobile: 99782 88287, email: georgejoseph1938@hotmail.com, URL: <http://www.profgeorgej.com/>, sp. electro-optics; space instrumentation; remote sensing.
- 2005 **Joseph**, Kayyunnapara Thomas, b. 1956, Ph.D. (New York), FNA, Raja Ramanna Fellow, Centre for Applicable Mathematics, Tata Institute of Fundamental Research, PB No. 6503, Sharadanagar, Bengaluru 560 065, Tel. Off. (080) 6695 3718, Mobile: 72591 50130, Fax (080) 6695 3799, email: ktj@tifrbng.res.in, sp. hyperbolic systems of conservation laws; boundary layers & parabolic partial differential equations; non-conservative zero pressure gas dynamics system & delta waves.

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- 2001 **Joshi, Amitabh**, b. 1965, Ph.D. (Washington State), FNASc, FNA, Evolutionary & Organismal Biology Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2802-3, Mobile: 93413 54233; 70228 88742 Fax (080) 2208 2766-7, email: ajoshi@jncasr.ac.in, URL: <https://sites.google.com/view/ebi-jncasr/home>, sp. population & quantitative genetics; evolutionary genetics; population ecology. Editor of Publications: 2017–.
- 1991 **Joshi, Jyeshtharaj Bhalchandra**, b. 1949, Ph.D. (Tech.) (Mumbai), FNA, FTWAS, FNAE, FNASc, Honorary Distinguished Professor, Institute of Chemical Technology, Mumbai; Emeritus Professor, Homi Bhabha National Institute, Anushakti Nagar, Mumbai 400 094, Tel. Off. (022) 3361 2106; (022) 2559 7625, Res. (022) 2411 5448, Mobile: 98208 45915, Fax (022) 3361 1020, email: jbjoshi@gmail.com, URL: http://www.ictmumbai.edu.in/Department_FacultyProfile.aspx?nDeptID=34%20%0A, sp. chemical engineering; fluid mechanics; reactor design; absorption of NO_x gases; solar energy; atomic energy and bio energy.
- 1992 **Joshi, Niranjana Vasudeo**, b. 1951, Ph.D. (IISc), email: nvjoshi@iisc.ac.in, sp. statistical analysis and mathematical modelling in biology.
- 1974 **Joshi, Shri Krishna**, b. 1935, D.Phil. (Allahabad), FNA, FNASc, FTWAS, Honorary JNCASR Vikram Sarabhai Professor, CSIR–National Physical Laboratory, Dr KS Krishnan Road, New Delhi 110 012, Tel. Off. (011) 4560 9363, Res. (0124) 238 3700; (0124) 405 1187, Mobile: 98993 33258, email: skjoshinpl@gmail.com, sp. solid state physics; atomic & molecular collisions. **Council Service:** 1989–91, Vice-President: 1989–91.
- 1996 **Joshi, Anjan Sidhvantlal**, b. 1950, Ph.D. (Bombay), FNA, FNASc, Honorary Scientist, Theory Group, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4938, Res. (079) 4005 8842, Fax (079) 2631 4460, email: anjanjoshi@prl.res.in; anjan@prl.res.in, sp. theoretical high energy physics.
- 1989 **Junjappa, Hiriyakkanavar**, b. 1936, Ph.D. (Karnatak), FNA, INSA Honorary Scientist & Research Professor, Reva Institute of Science and Management, Bengaluru; Res. Flat 002, Block 8, Heritage Estate, Doddaballapur Road, Yelahanka, Bengaluru 560 064, Tel. Res. (080) 4204 6874, Mobile: 98453 72078, email: junjappa_123@rediffmail.com, sp. synthetic & mechanistic organic chemistry.

Elected
Year

- 1995 **Kailas**, Swaminathan, b. 1949, Ph.D. (Bombay), FNA, INSA Senior Scientist, UM – DAE Centre for Excellence in Basic Sciences, Mumbai; Associate, Manipal Centre for Natural Sciences, Manipal Academy of Higher Education, Madhav Nagar, Manipal 576 104, Tel. Res. (022) 2551 2291, Mobile: 99691 53075, email: swaminathankailas305@gmail.com, sp. nuclear optical model; heavy ion-induced fission/fusion; accelerator-based multidisciplinary science.
- 1998 **Kakodkar**, Anil, b. 1943, B.E. (Mumbai), M.Sc. (Nottingham), D.Sc. (h.c.), FNASc, FNAE, Res. Flat No. 1104, Building No. 5, Accolade Co-op. Housing Society, Hajuri Dargah Road, Behind Jeevan Chintamani Building (LIC), Thane (W), Mumbai 400 604, Tel. (022) 2582 8899, email: kakodkaranil@gmail.com; kakodkar@barc.gov.in, URL: www.anilkakodkar.in, sp. structural mechanics; nuclear engineering.
- 2016 **Kaliappan**, Krishna Pillai, b. 1968, Ph.D. (IISc), Department of Chemistry, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7177, Res. (022) 2576 8177, Mobile: 96197 47177, Fax (022) 2572 3480, email: kpk@chem.iitb.ac.in, URL: <http://www.chem.iitb.ac.in/~kpk>, sp. organic synthesis; total synthesis of natural products; synthesis of natural product like molecules.
- 1969 **Kalyanaraman**, Subramanian, b. 1934, MS (Neuro), Ph.D. (Edinburgh), FRCS (Eng. & Edin.), Senior Consultant Neurosurgeon, 2, Central Street, Kilpauk Garden Colony, Chennai 600 010, Tel. (044) 2644 3112, Mobile: 98840 70469, email: kalyanaraman neurosurgeon@gmail.com, sp. neurosurgery.
- 1974 **Kamal**, Aditya Kumar, b. 1927, Dr. Ing. (Paris), Res. 18, Crystal Circle, Burlington, MA 01803, USA, Tel. Off. (+1-781) 890 3330/235, Res. (+1-781) 272 6315, Fax (+1-781) 890 5189, email: akk@arcon.com; kadya1@gmail.com, sp. air traffic control; surveillance; automation; UAV; GPS; cyber security.
- 1998 **Kamra**, Adarsh Kumar, b. 1944, Ph.D. (Roorkee), FNA, INSA Honorary Scientist, Indian Institute of Tropical Meteorology, Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 4281; (020) 2590 4200, Mobile: 97645 36103, Fax (020) 2586 5142, email: kamra@tropmet.res.in, sp. atmospheric electricity; cloud physics; aerosol physics.

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Year
- 2019 **Kanekar**, Nissim, b. 1973, Ph.D. (Pune), Professor H, National Centre for Radio Astrophysics, Pune University Campus, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2571 9246, Res. (020) 2571 9346, Mobile: 99750 77018, Fax (020) 2569 2149, email: nkanekar@ncra.tifr.res.in, URL: <http://www.ncra.tifr.res.in/~nkanekar>, sp. galaxy formation & evolution; fundamental constant evolution; the interstellar medium of galaxies.
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- 2011 **Kang**, Gagandeep, b. 1962, Ph.D. (CMC, Vellore), FRC Path., FNASc, FNA, FRS, Executive Director, Translational Health, Science and Technology Institute, Faridabad; Professor of Microbiology, The Wellcome Trust Research Laboratory, Division of Gastrointestinal Sciences, Christian Medical College, Vellore 632 004, Mobile: 98940 70266, Fax (0416) 228 2486, email: gkang@cmcvellore.ac.in; gkang@thsti.res.in, sp. enteric infections; vaccines; nutrition; public health.
- 1999 **Kanhere**, Dilip Govind, b. 1950, Ph.D. (IIT, Kanpur), Distinguished Professor, Center for Modelling and Simulations, Savitribai Phule Pune University, Pune 411 007, Mobile: 94210 06705, email: dgkanhere@gmail.com, sp. condensed matter theory; computational physics; strongly correlated systems; density functional theory; science education.
- 1984 **Kannan**, Kazhiur Kothandapani, b. 1939, Ph.D. (IISc), FNA, Res. F-206, Redwood, Raheja Residency, III Block, Koramangala, Bengaluru 560 034, Tel. (080) 2550 5829, Mobile: 87627 80061, email: kannan_99@yahoo.com, sp. X-ray & macromolecular crystallography; macromolecular computer graphics.
- 1992 **Kannan**, Varadachariar, b. 1946, Ph.D. (MKU), FNA, FNASc, Department of Mathematics, SRM University, Guntur 522 503, Mobile: 99491 93737, email: vksm@uohyd.ernet.in; kannan.v@srmmap.edu.in, sp. analysis & topology.
- 2015 **Kant**, Rama, b. 1963, Ph.D. (IISc), Department of Chemistry, University of Delhi, New Delhi 110 007, Tel. Off. (011) 2766 6646/188, Mobile: 98105 77668, Fax (011) 2766 6605, email: rkant@chemistry.du.ac.in, URL: <http://people.du.ac.in/~rkant>, sp. theoretical chemistry; complex systems in electrochemistry and polymers; nanoelectrochemistry.

Elected
Year

- 2004 **Kant**, Tarun, b. 1946, Ph.D. (IIT, Bombay), FNA, FNAE, FNASc, Professor Emeritus and INSA Senior Scientist, Department of Civil Engineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7310, Res. (022) 2577 1090, Mobile: 99691 64646, Fax (022) 2576 7302, email: tkant@civil.iitb.ac.in, URL: www.civil.iitb.ac.in/~tkant, sp. solid & structural mechanics; finite element methods; mechanics of composite materials & structures.
- 1974 **Kapoor**, Shyam Sunder, b. 1938, Ph.D. (Bombay), FNA, FNASc, Res. A/3, Banganga, Govandi Station Road, Deonar, Mumbai 400 088, Tel. (022) 2550 4301, Mobile: 93235 04942, email: kapoorss2002@yahoo.co.in, sp. nuclear physics; nuclear radiation detectors; accelerator-based research, development & applications in nuclear energy.
- 1988 **Kapur**, Prakash Chand, b. 1935, Ph.D (UC, Berkeley), FNAE, Foreign Assoc. US Natl Acad. Eng., Emeritus Professor, Indian Institute of Technology, Kanpur; Res. R-485, New Rajinder Nagar, New Delhi 110 060, Mobile: 98108 16383, email: pckapur@gmail.com, sp. mineral processing; particulate science & technology; mathematical modelling & waste management.
- 2017 **Kapuria**, Santosh, b. 1968, Ph.D (IIT, Delhi), FNA, FNAE, FNASc, JC Bose National Fellow, Director, CSIR–Structural Engineering Research Centre, CSIR Road, Taramani, Chennai 600 113, Tel. Off. (044) 2254 2139, Res. (044) 2254 9116, Mobile: 96547 28776, Fax (044) 2254 1508, email: kapuria@am.iitd.ac.in; director@serc.res.in, URL: http://web.iitd.ac.in/~kapuria/, sp. structural mechanics; multifunctional structures; structural health monitoring.
- 1994 **Karandikar**, Rajeeva Laxman, b. 1956, Ph.D. (ISI, Calcutta), FNA, Director, Chennai Mathematical Institute, H1 SIPCOT IT Park, Siruseri, Kelambakkam, Chennai 603 103, Tel. Off. (044) 7196 1006; (044) 3298 3441, Mobile: 81448 13296, Fax (044) 2747 0225, email: rkarandikar@gmail.com; rlk@cmi.ac.in, sp. stochastic calculus; stochastic finance; stochastic filtering theory; Markov processes; Monte Carlo techniques; psephology.
- 2008 **Karant**, Kota Ullas, b. 1948, Ph.D. (Mangalore), Director, Centre for Wildlife Studies, 224, Rajnigandha, Garden Apartments, 21, Vittal Mallya Road, Bengaluru 560 001, Tel. Off. & Res. (080) 2211 8976, email: ukarant@gmail.com, sp. carnivore ecology; animal population analysis; conservation biology; conservation policy.

- Elected
Year
- 1995 **Kartha**, Chandrasekharan Cheranellore, b. 1951, MD (AIIMS), FRCP (London), FNASc, FIC (Path.), FAMS, FIACSc, Senior Adviser, Society for Continuing Medical Education & Research, Kerala Institute of Medical Sciences, Post Box No.1, Anayara P.O, Thiruvananthapuram 695 029, Tel. Off. (0471) 294 2168, Res. (0471) 243 4108, Mobile: 99472 64108, email: cckartha@gmail.com; drkartha.cc@kimsglobal.com, sp. human pathology, mechanisms of diseases and drug targets. **Council Service:** 2007–09.
- 1990 **Kartha**, Vasudevan Bhaskaran, b. 1934, Ph.D. (Bombay), FNA, Res. 21, Udayagiri, Opp. Telecom Factory, Sion-Trombay Road, Deonar, Mumbai 400 088, Tel. (022) 2556 4908, Mobile: 77384 33912, email: sbkartha@hotmail.com; bhasikartha@gmail.com, sp. atomic, molecular & laser spectroscopy; synchrotron spectroscopy; application of lasers in medicine & biochemistry.
- 2005 **Kasbekar**, Durgadas Prabhakar, b. 1956, Ph.D. (SUNY, Stony Brook), FNA, INSA Senior Scientist, Centre for DNA Fingerprinting & Diagnostics, Inner Ring Road, Uppal, Hyderabad 500 039, Tel. Off. (040) 2721 6165, Res. (040) 2717 3903, Fax (040) 2721 6006, email: kas@cdfd.org.in, sp. Neurospora & Dictyostelium genetics; sterol reductases. Associate Editor of Publications: 2016–2018.
- 1976 **Kasturi**, Tirumalai Rangachar, b. 1931, D.Sc. (IISc), Ph.D. (Bombay), FNA, Res. 237, Senator Place Cincinnati, OH 45220, USA, Mobile: 51382 71015, sp. synthetic, structural & mechanistic organic chemistry; spectroscopy.
- 1986 **Kasturirangan**, Krishnaswamy, b. 1940, Ph.D. (Gujarat), FNA, FNASc, FNAE, FTWAS, Emeritus Professor, National Institute of Advanced Studies, IISc Campus, Bengaluru 560 012, Tel. Off. (080) 2361 0522, Fax (080) 2361 0492, email: k.rangan@gov.in; krangank@gmail.com, sp. high energy astronomy; space systems and technology. **Council Service:** 1995–2006, Vice-President: 1998–2000, President: 2001–03.
- 2007 **Katoch**, Vishwa Mohan, b. 1953, MD (AIIMS), FNASc, FNA, FAMS, NASI-ICMR Chair for Public Health Research, Rajasthan University of Health Sciences, Jaipur; Res. B-16, Govind Marg, Opposite Baraf Khana, Raja Park, Jaipur 302 004, Tel. Off. (0141) 279 5524, Res. (0141) 261 3992, Mobile: 99100 53701, email: vishwamohankatoch18@gmail.com, sp. molecular biology & functional genomics of mycobacteria; taxonomy & epidemiology of mycobacterial diseases, public health and policy research pertaining to health sciences. **Council Service:** 2010–12.

Elected Year	
1993	Kaul , Romesh Kumar, b. 1952, Ph.D. (Delhi), FNA, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3317, Res. (044) 2445 3508, Mobile: 94449 24065, Fax (044) 2254 1586, email: kaul@imsc.res.in, sp. particle physics; quantum field theory; quantum gravity.
2003	Kaul , Sharika Nandan, b. 1949, Ph.D. (IIT, Kharagpur), FNA, INSA Senior Scientist, School of Physics, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4322, Res. (040) 6748 5642, Fax (040) 2301 0227, email: sn.kaul@uohyd.ac.in; kaul.sn@gmail.com, sp. condensed matter physics; phase transitions & critical phenomena; magnetism & magnetic materials; macroscopic quantum phenomena; disordered systems & percolation; physics at nanometer length scale.
2019	Kaur , Rupinder, b. 1971, Ph.D. (Panjab), FNASc, Staff Scientist VI, Centre for DNA Fingerprinting & Diagnostics, Inner Ring Road, Uppal, Hyderabad 500 039, Tel. Off. (040) 2721 6137, Res. (040) 4026 4614, Mobile: 97044 39996, Fax (040) 2721 6006, email: rkaur@cdfd.org.in, URL: http://www.cdfd.org.in/labpages/fungal_pathogenesis.html , sp. yeast molecular biology & genetics; candida pathogenesis; host–pathogen interaction.
430 2009	Kembhavi , Ajit Keshav, b. 1950, Ph.D. (Bombay), FNASc, Emeritus Professor, Inter-University Centre for Astronomy & Astrophysics, Post Bag 4, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4117; (020) 2560 4100, Mobile: 98229 79161, Fax (020) 2560 4699, email: akk@iucaa.in, sp. high energy astrophysics; active galactic nuclei; external galaxies; virtual observatory; big data; deep learning.
1986	Kenkare , Umakant Waman, b. 1927, Ph.D. (Bombay), FNA, Res. D/3, Deeplakshmi Co-operative Housing Society, Hatiskar Marg, Prabhadevi Sea Beach, Prabhadevi, Mumbai 400 025, Mobile: 96197 71978, sp. biochemistry; molecular biology; neurochemistry.
2008	Kesavan , Srinivasan, b. 1952, Ph.D. (Pierre et Marie Curie), FNASc, Res. 33/19, Barnaby Road, Kilpauk, Chennai 600 010, Tel. (044) 2641 2839, Mobile: 94440 82801, email: kesh@imsc.res.in, sp. partial differential equations; homogenization; isoperimetric inequalities.
1975	Kessar , Satinder Vir, b. 1932, Ph.D. (USC, LA), FNA, FNASc, FTWAS, Professor Emeritus, Department of Chemistry, Panjab University, Chandigarh 160 014, Tel. Off. (0172) 254 1435, Res. (0172) 274 7308, Mobile: 98786 39635, email: svkessar@pu.ac.in, sp. synthetic & mechanistic organic chemistry.

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1996	Khakhar , Devang Vipin, b. 1959, Ph.D. (Massachusetts), FNA, FNAE, Director, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7212, Res. (022) 2576 8212, Mobile: 98206 05351, Fax (022) 2572 3546, email: khakhar@iitb.ac.in, URL: www.che.iitb.ac.in/faculty/dvk.html, sp. granular flow & mixing; polymer processing. Council Service: 2010–12.
2012	Khan , Faiz Ahmed, b. 1965, Ph.D. (Hyderabad), FNASc, Department of Chemistry, Indian Institute of Technology–Hyderabad, Kandi Sangareddy, Hyderabad 502 285, Tel. Off. (040) 2301 6084, Mobile: 81250 27003, email: faiz@iith.ac.in, sp. synthetic organic chemistry; chemistry of natural products; synthetic methodologies.
2010	Khanduja , Sudesh Kaur, b. 1951, Ph.D. (Panjab), FNA, FNASc, FTWAS, Indian Institute of Science Education and Research–Mohali, Sector 81, Knowledge City, Manauli P.O., SAS Nagar 140 306, Tel. Off. (0172) 224 0266, Res. (0172) 405 1297, Mobile: 98152 04096, email: skhanduja@iisermohali.ac.in, sp. algebra; valuation theory; algebraic number theory.
2017	Khanna , Navin Chandra, b. 1956, Ph.D (AIIMS), FNASc, FNA, Group Leader, Molecular Medicine, International Centre for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 2357, Res. (011) 4176 1859, Mobile: 96501 00229, Fax (011) 2674 2316, email: navin@icgeb.res.in; navinkhanna5@gmail.com, URL: http://www.icgeb.org/navin-khanna.html, sp. dengue subunit vaccine; dengue botanical drug; recombinant proteins of medical use.
2015	Khare , Avinash, b. 1954, Ph.D. (PRL), FNA, FNASc, Vice Chancellor, Sikkim Central University, 6 th Mile, Samdur, P.O. Tadong, Gangtok 737 102, Tel. Off. (03592) 25 1468; (03592) 25 1073, Mobile: 97183 28154, email: vc@cus.ac.in; khareavinash82@gmail.com, sp. plasma physics; statistical mechanics; critical phenomena; plasma astrophysics.
1991	Khare , Avinash Vasant, b. 1945, Ph.D. (Calcutta), FNA, INSA Senior Scientist, Department of Physics, Savitribai Phule Pune University, Ganeshkhind, Pune 411 007, Mobile: 97653 96369, email: khare@physics.unipune.ac.in, sp. high energy & elementary particle physics; supersymmetric quantum mechanics; nonlinear dynamics.
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- 2020 **Khosla**, Sanjeev, b. 1969, Ph.D. (IISc), FNA, FNASc, Staff Scientist VII, Centre for DNA Fingerprinting & Diagnostics, Inner Ring Road, Uppal, Hyderabad 500 039, Tel. Off. (040) 2721 6171, Res. (040) 2419 3134, Mobile: 99499 52300, Fax (040) 2721 6006, email: sanjuk@cdfd.org.in, URL: http://cdfd.org.in/labpages/sanjeev_khosla.html, sp. epigenetics; developmental biology.
- 2006 **Khurana**, Jitendra Paul, b. 1954, Ph.D. (Delhi), FNA, FNASc, FNAAS, FTWAS, Department of Plant Molecular Biology, University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021, Tel. Off. (011) 2411 5126, Res. (011) 2411 9090, Mobile: 98113 51217, Fax (011) 2411 5270, email: khuranaj@genomeindia.org, sp. photo-perception & signal transduction in plants; structural & functional genomics; plant hormone action.
- 2010 **Khurana**, Paramjit, b. 1956, Ph.D. (Delhi), FNA, FNASc, FNAAS, FTWAS, Department of Plant Molecular Biology, University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021, Tel. Off. and Fax (011) 2411 5096, Res. (011) 2411 9090, Mobile: 97110 06512, email: param@genomeindia.org, sp. plant biotechnology; plant genomics; plant developmental biology.
- 1991 **Khush**, Gurdev Singh, b. 1935, Ph.D. (UC, Davis), D.Sc. (h.c.), FNA, FRS, FNASc, Foreign Assoc. US Nat. Acad. Sci., Res. 39399, Black Hawk Place, Davis, CA 95616-7008, USA, Tel. & Fax (+1-530) 750 2440, email: gurdev@khush.org, URL: <https://www.khushfoundation.org/khush/about-g-s-khush/>, sp. plant genetics & breeding; biotechnology.
- 1990 **Kochupillai**, Narayana Panicker, b. 1939, MD (AIIMS), FNA, FAMS, Res. Flat No. 401, ITPL Residence Complex, International Technology Park, Whitefield, Bengaluru 560 068, email: kochupillai@gmail.com, sp. internal medicine; clinical endocrinology; metabolism; diabetes; biotechnology.
- 2017 **Kodiyalam**, Vijay, b. 1966, Ph.D. (Purdue), FNASc, Professor H, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3212, Res. (044) 2442 2188, Mobile: 94454 14376, Fax (044) 2254 1586, email: vijay@imsc.res.in, URL: <http://www.imsc.res.in/~vijay/>, sp. planar algebras & subfactor theory; commutative algebra.

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Year
- 2010 **Kohli**, Ravinder Kumar, b. 1953, Ph.D. (Amritsar), FNA, FNASc, FNAAS, JC Bose National Fellow, Vice-Chancellor, Central University of Punjab, Mansa Road, Bathinda 151 001, Tel. Off. (0164) 243 0586, Res. (0164) 224 1550, Mobile: 98722 01516; 98770 34221, Fax (0164) 286 4111, email: vc@cup.edu.in; rkkohli45@gmail.com, URL: www.rkkohli.com, sp. experimental ecology; weed science; plantation forestry & urban forestry.
- 2010 **Kotha**, Sambasivarao, b. 1957, Ph.D. (Hyderabad), FNA, FNASc, JC Bose National Fellow, Pramod Chaudhari Chair Professor, Department of Chemistry, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7160, Mobile: 98693 92696, Fax (022) 2576 7152, email: srk@chem.iitb.ac.in, URL: <http://www.chem.iitb.ac.in/people/Faculty/prof/sk.html>, sp. new synthetic methods; unnatural amino acids; transition metals in organic synthesis.
- 2016 **Krishna**, Amalendu, b. 1971, Ph.D. (ISI), Associate Professor, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2664, Res. (022) 2278 3187, Mobile: 98691 37436, email: amal@math.tifr.res.in, sp. algebraic cycles; algebraic K-theory; equivariant cohomology.
- 2002 **Krishna**, Kolluru Sree, b. 1958, Ph.D. (Andhra), FNASc, FNA, JC Bose National Fellow, Centre for Earth, Ocean and Atmospheric Sciences, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 2669, Mobile: 97654 94935; 97653 21229, email: krishna@uohyd.ac.in; nio.krishna@gmail.com, URL: https://en.wikipedia.org/wiki/Kolluru_Sree_Krishna, sp. lithospheric dynamics; tectonics; plate tectonics; marine geophysics.
- 450
- 1979 **Krishna**, Padmanabhan, b. 1938, Ph.D. (Banaras), FNA, Trustee, Krishnamurti Foundation India, Rajghat Fort, Varanasi 221 001, Mobile: 94152 23667, email: pkrishna@pkrishna.org; pkrishna80@gmail.com, URL: www.pkrishna.org, sp. crystallography; imperfection in solids; education, science & society.
- 1989 **Krishna**, Rajamani, b. 1946, Ph.D. (Manchester), Van't Hoff Institute for Molecular Sciences, University of Amsterdam, Science Park 904, 1098 XH Amsterdam, Netherlands, Tel. Res. (+31-20) 627 0990, Fax (+31-20) 525 5604, email: r.krishna@contact.uva.nl, sp. separations using nanoporous materials.
- 2008 **Krishna Kumar**, Kanikicharla, b. 1958, Ph.D. (Pune), Qatar Meteorology Department, Doha, Qatar, Mobile: (+974)6622 1358, email: krishnakumar.kanikicharla@gmail.com, sp. monsoon dynamics; predictability & prediction; climate change & impacts; climate applications.

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Year
- 1993 **Krishna Murty**, Achyutuni Venkata, b. 1938, Ph.D. (IISc), Res. 8, V Main, II Cross, NTI Layout, RMV II Stage, Nagashettihalli, Bengaluru 560 094, Tel. (080) 2341 0116, email: avkrishnamurty@gmail.com, sp. aerospace engineering; structural mechanics; composites; smart structures.
- 1989 **Krishna Swamy**, Kittur Subbarao, b. 1938, Ph.D. (UC, Berkeley), Res. Flat 1905, Tower C, Oberoi Springs, Opp. City Mall, Andheri Link Road, Andheri West, Mumbai 400 053, Tel. (022) 2674 1864, email: swamyks205@gmail.com, sp. astrophysics.
- 2008 **Krishnakumar**, Erumathadathil, b. 1952, Ph.D. (Gujarat), Raja Ramanna Fellow, Emeritus Professor, Raman Research Institute, C.V. Raman Avenue, Bengaluru 560 080, Tel. Off. 94808 36131, Mobile: 98690 13407, email: ekkumar@tifr.res.in; krishnakumar@rri.res.in, URL: <http://www.tifr.res.in/~ekumar/>, sp. atomic collision processes; molecular dynamics; electron controlled chemistry; negative ions; electron ionization; photoionization & photodetachment; electron & ion momentum imaging; ultra-cold collisions.
- 2000 **Krishnamoorthy**, Guruswamy, b. 1950, Ph.D. (TIFR), FNA, Honorary Professor, Department of Biotechnology, Anna University, Chennai 600 025, Mobile: 77380 41952, email: gk@tifr.res.in; appagk@gmail.com, sp. biophysical chemistry; laser spectroscopy; protein dynamics & protein folding dynamics; dynamics in nucleic acids; correlation of macro-molecular dynamics with function.
- 2005 **Krishnamoorthy**, Krishnaswamy, b. 1952, Ph.D. (Kerala), FNA, FNASc, Distinguished Visiting Scientist, Centre for Atmospheric & Oceanic Sciences, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3147, Mobile: 99455 30293; 94960 50095, email: kkmoorthy@iisc.ac.in; krishnamoorthyspl@gmail.com, sp. atmospheric aerosols; microphysics, regional radiative forcing; climate science; equatorial aeronomy; atmospheric sciences.
- 1991 **Krishnamurthy**, Hulikal Ramaiyengar, b. 1951, Ph.D. (Cornell), FNA, FNASc, FTWAS, Honorary Professor, Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 8658; (080) 2293 3282, Res. (080) 2341 6627, Mobile: 98459 27227, Fax (080) 2360 2602, email: hrkrish@iisc.ac.in; hrkrish@gmail.com, URL: <http://www.physics.iisc.ernet.in/~hrkrish/>, sp. theoretical condensed matter physics; quantum many-body theory; statistical physics.

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- 2014 **Krishnamurthy**, Manchikanti, b. 1969, Ph.D. (TIFR), Tata Institute of Fundamental Research, 36/P, Gopanpally, Hyderabad 500 107, Tel. Off. (040) 2020 3069, Res. (040) 4776 6433, Mobile: 90046 80294, email: mkrism@tifr.res.in, sp. atomic & molecular physics; intense laser plasma physics; optical sciences.
- 1989 **Krishnamurthy**, Setharampattu Seshaiyer, b. 1940, Ph.D. (IISc), FNA, Professor Emeritus, IPC Department, Indian Institute of Science, Bengaluru; Res. 394, 6A Cross, Tata Nagar, Bengaluru 560 092, Tel. (080) 2351 6293, Mobile: 98454 57190, email: sskrish@iisc.ac.in; sskrish60@yahoo.com, sp. main group chemistry; organometallic chemistry.
- 2017 **Krishnan**, Raghavan, b. 1965, Ph.D. (Pune), Executive Director, Centre for Climate Change Research, Indian Institute of Tropical Meteorology, Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 4301, Res.(020) 2589 8886, Mobile: 98817 37976, Fax (020) 2586 5142, email: krish@tropmet.res.in, URL: <http://www.tropmet.res.in/Dr.%20R.%20Krishnan-5-Scientist>, sp. monsoon and climate dynamics; atmosphere–ocean–land system.
- 1982 **Krishnan**, Rangachari, b. 1935, Ph.D. (Bombay), FNA, FNASc, FNAE, Res. F-3, Parkside Manor, 162, 5th Main, Defence Colony, Bengaluru 560 038, Tel. (080) 2526 8882, Mobile: 99808 47568, email: rangachari.krishnan@gmail.com, sp. physical metallurgy & materials science.
- 1974 **Krishnan**, Sankaranarayanaier, b. 1934, Ph.D. (Kerala), Res. 49, II Cross, P&T Colony, R.T. Nagar, Bengaluru 560 032, Tel. (080) 2333 3139, Mobile: 99004 19481, email: skrish49@hotmail.com, sp. electronics & digital systems.
- 1984 **Krishnan**, Varadachari, b. 1937, Ph.D. (IISc), FNA, FTWAS, Co-ordinator, TWAS Regional Partner for Central & South Asia; Honorary Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2759; (080) 2362 2518, Res. (080) 2341 9380, Fax (080) 2208 2766, email: vkrishnan@iisc.ac.in; vkrish@jncastr.ac.in, sp. inorganic chemistry & bio-inorganic chemistry. **Council Service:** 1989–1997; Secretary: 1989–1994.
- 1993 **Krishnaswamy**, Kamala, b. 1940, MD (Osmania), FNA, FNASc, FAMS, FNAAS, FTWAS, Res. Sriniketan, No. 1-2-98/2, Kakateeyanagar Colony, Habsiguda, Hyderabad 500 007, Tel. (040) 2715 3248, Mobile: 98662 35238, email: sri21kk@hotmail.com; sri21kk@yahoo.com, sp. internal medicine; nutritional sciences; clinical pharmacokinetics.

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Year
- 2003 **Krupanidhi**, Saluru Baba, b. 1951, Ph.D. (Delhi), FNA, FNAE, Materials Research Centre, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2781, Res. (080) 2341 8550, Mobile: 98450 34262, email: sbk@iisc.ac.in, sp. ferro-electrics; III-V and III-nitride semiconductors; 2D materials, hybrid hetero structures; thin films; epitaxy; solid state devices; MEMS.
- 2014 **Kulkarni**, Giridhar Udapi Rao, b. 1963, Ph.D. (IISc), FNASc, Director, Center for Nano and Soft Matter Science, P.B. No. 1329, Jalahalli, Bengaluru 560 013, Tel. Off. (080) 2308 4201; (080) 2308 4211, Res. (080) 2363 2814, Mobile: 94488 25386, email: guk@cens.res.in; gukulk@gmail.com, sp. nanomaterials; nano-lithography & fabrication; neuromorphic devices; molecular systems & properties.
- 1996 **Kulkarni**, Mohan Gopalkrishna, b. 1950, Ph.D. (Bombay), FNAE, Emeritus Scientist, CSIR–Unit for Research & Development of Information Products, ‘Tapovan’, NCL Campus, Pashan Road, Pune 411 008, Tel. Off. (020) 6900 0864, Res. (020) 2588 2189, Mobile: 94223 09762, email: mohank@urdip.res.in, sp. polymer science & engineering; intellectual property.
- 1975 **Kulkarni**, Prabhakar Vasudeo, b. 1930, Ph.D. (Pune), Res. c/o Dr Narendra P. Kulkarni, 202, Sadguru Co-op. Housing Society, Sector 19, Flat 20, Kharghar, Navi Mumbai 410 210, Mobile: 99670 31930, email: nanapvk@gmail.com, sp. atmospheric optics; aeronomy; infrared astronomy.
- 470
- 2004 **Kulkarni**, Sulabha Kashinath, b. 1949, Ph.D. (Pune), FNASc, FNA, Centre for Materials for Electronics Technology, off. Dr Homi Bhabha Road, Panchwati, Pune 411 008, Mobile: 88884 25978, email: skknano@gmail.com, sp. surface physics; materials science; nanoscience.
- 2019 **Kumar**, Amit, b. 1976, Ph.D. (Cornell), Department of Computer Science and Engineering, Indian Institute of Technology–Delhi, Hauz Khas, New Delhi 110 016, Tel. Off. (011) 2659 1286, Res. (011) 2659 1693, Mobile: 98919 81286, Fax (011) 2658 2283, email: amitk@cse.iitd.ac.in, URL: <http://www.cse.iitd.ac.in/~amitk/>, sp. approximation algorithms; online algorithms; combinatorial optimization.
- 2010 **Kumar**, Anurag, b. 1955, Ph.D. (Cornell), FNA, FNAE, FIEEE, FTWAS, Director, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2222; (080) 2360 0690, Res. (080) 2341 5031, Mobile: 98450 06755, Fax (080) 2360 0936, email: office.director@iisc.ac.in; anurageceiisc@gmail.com, sp. communication networks; wireless networks; stochastic modelling.

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Year
- 2019 **Kumar, Arun**, b. 1960, Ph.D. (Banaras), FNASc, Department of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2998, Res. (080) 2360 6226, Mobile: 99451 70548, Fax (080) 2360 0999, email: arunk@iisc.ac.in, URL: http://www.mrdg.iisc.ernet.in/aran_kumar, sp. human molecular genetics; cancer biology; molecular biology.
- 2004 **Kumar, Gattamraju Ravindra**, b. 1961, Ph.D. (IIT, Kanpur), FNA, Senior Professor, Department of Nuclear & Atomic Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2381, Res. (022) 2280 4609, Fax (022) 2280 4610-1, email: grk@tifr.res.in, sp. interaction of intense ultrashort light pulses with matter; high energy density science and nonlinear optics.
- 1975 **Kumar, Har Darshan**, b. 1934, Ph.D. (London), FNA, FNASc, Res. Mrigrishna, B-32/32, HK 214, Saketnagar Colony, Naria, Varanasi 221 005, Tel. (0542) 231 5180, email: hdk71@yahoo.co.in; hdkumar@rediffmail.com, sp. algology; microbial biotechnology; genetics; ecology; environment.
- 2010 **Kumar, Lalit**, b. 1957, MD (Agra), D.M. (Madras), FAMS, FNASc, Head, Department of Medical Oncology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 3405, Res. (0124) 238 0828, Mobile: 98114 46828, Fax (011) 2658 8663, email: lalitiims@yahoo.com, sp. stem cell transplantation; multiple myeloma (haemato-oncology); gynaecologic oncology. **Council Service:** 2016–18.
- 2004 **Kumar, Makarla Udaya**, b. 1946, Ph.D. (USSR Acad. Sci.), FNA, FNAAS, FNASc, NASI Senior Scientist & Professor Emeritus, Department of Crop Physiology, University of Agricultural Sciences, GKVK Campus, Bellary Road, Bengaluru 560 065, Tel. Off. & Fax (080) 2363 6713/25; (080) 2333 0153/355, Res. (080) 2347 4560, Mobile: 94483 76357, email: udayakumar_m@yahoo.com, sp. molecular basis of stress resistance; physiology of water use efficiency in plants; canopy photosynthesis.
- 1979 **Kumar, Rajinder**, b. 1934, Ph.D. (Panjab), FNA, Honorary Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. & Fax (080) 2293 2320; (080) 2208 2786, Res. (080) 2334 6394, Mobile: 98452 50473, email: kumar@iisc.ac.in; kumariisc@gmail.com, sp. multiphase phenomena. **Council Service:** 2001–06; Vice-President: 2001–06.

Elected Year	
2002	Kumara Swamy , Kalasa Chandrasekhar Jois, b. 1957, Ph.D. (IISc), FNA, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4856, Mobile: 98497 24004; 97049 05064, email: kckssc@uohyd.ac.in; kckssc@yahoo.com, sp. organophosphorus chemistry; catalytic organic transformations; chemistry of main-group elements.
480	
1999	Kumaran , Viswanathan, b. 1966, Ph.D. (Cornell), FNA, FNAE, Department of Chemical Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3112, Res. (080) 2360 1034, Fax (080) 2360 8121, email: kumaran@iisc.ac.in, sp. hydrodynamic stability; dynamics of complex fluids; granular flows.
2006	Kundu , Gopal Chandra, b. 1959, Ph.D. (Calcutta), FNASc, Director, R&D, Kalinga Institute of Industrial Technology, Campus XI, Patia, Bhubaneswar 751 024, Tel. Off. (0674) 272 5466, Mobile: 94225 06548, Fax (0674) 272 5732, email: gopalc.kundu@kiit.ac.in; gopalkundu@hotmail.com, sp. tumour biology; regulation of gene expression; angiogenesis & nanomedicine.
2014	Kundu , Manikuntala, b. 1958, Ph.D. (Calcutta), CSIR Emeritus Scientist, Department of Chemistry, Bose Institute, 93/1 Acharya Prafulla Chandra Road, Kolkata 700 009, Tel. Off. (033) 2303 1153, Res. (033) 2533 3454, Mobile: 98303 31255, Fax (033) 2350 6790, email: manikuntala.kundu@gmail.com; mani@jcbose.ac.in, sp. stress response in <i>Mycobacterium tuberculosis</i> ; immunology of the host cell response to <i>Helicobacter pylori</i> .
2008	Kundu , Tapas Kumar, b. 1962, Ph.D. (IISc), FNASc, Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru; Director, CSIR–Central Drug Research Institute, Sector 10, Jankipuram Extension, Sitapur Road, Lucknow 226 031, Tel. Off. (0522) 277 1940, Mobile: 94494 56334, Fax (0522) 277 1941, email: director@cdri.res.in; tapas@jncasr.ac.in, sp. regulation of gene expression; chemical biology.
2019	Kunnath , Sandeep, b. 1973, Ph.D. (TIFR), Professor H, TIFR Centre for Applicable Mathematics, P.B. No. 6503, Sharada Nagar, Yelahanka New Town, Bengaluru 560 065, Tel. Off. (080) 6695 3744, Res. (080) 4958 7955, Mobile: 98456 50941, Fax (080) 6695 3799, email: sandeep@math.tifrbng.res.in, sp. partial differential equations; non-linear analysis; variational methods.

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Year
- 2005 **Lahiri**, Goutam Kumar, b. 1960, Ph.D. (Jadavpur), Department of Chemistry, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7159, Res. (022) 2576 8159, Mobile: 98195 81787, Fax (022) 2572 3480, email: lahiri@chem.iitb.ac.in, sp. inorganic chemistry; organometallic chemistry; catalysis.
- 2005 **Lahiri Majumder**, Arunendra Nath, b. 1946, Ph.D. (Calcutta), D.Sc. (Calcutta), FNA, FNASc, FNAAS, INSA Senior Scientist, Division of Plant Biology, Bose Institute, P-1/12, CIT Scheme, VII M, Kolkata 700 054, Tel. Off. (033) 2569 3232, Res. (033) 2436 7219, Mobile: 94330 27050, Fax (033) 2334 3686, email: lahiri@jcbose.ac.in; alahirimajumder@yahoo.com, sp. plant biochemistry; molecular biology & biotechnology.
- 1994 **Lakhotia**, Subhash Chandra, b. 1945, Ph.D. (Calcutta), FNA, FNASc, SERB Distinguished Fellow, Distinguished Professor, Cytogenetics Laboratory, Department of Zoology, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 236 8457; (0542) 236 8145, Res. (0542) 231 2012, Mobile: 94530 48657; 63925 69670, email: lakhotia@bhu.ac.in; sclakhotia@yahoo.co.in, sp. cytogenetics; gene expression; molecular biology; stress biology, ayurvedic biology.
- 1991 **Lakshmanan**, Muthusamy, b. 1946, Ph.D. (Madras), D.Sc. (h.c., Burdwan), FNA, FNASc, FTWAS, SERB Distinguished Fellow & Professor of Eminence, Centre for Nonlinear Dynamics, Department of Physics, Bharathidasan University, Tiruchirappalli 620 024, Tel. Off. (0431) 240 7093; (0431) 240 7057, Res. (0431) 245 9386, Mobile: 99408 23079, Fax (0431) 240 7093, email: lakshman@cnd.bdu.ac.in; lakshman.cnd@gmail.com, sp. non-linear dynamics; theoretical physics; mathematical physics. **Council Service:** 2010–12.
- 2001 **Lal**, Shyam, b. 1951, Ph.D. (Gujarat), FNA, FNASc, CSIR Emeritus Scientist, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4938, Mobile: 94276 27076, Fax (079) 2631 4659, email: shyam@prl.res.in; shyamprl@gmail.com, sp. ozone & trace gases for atmospheric processes; environmental & climatic changes.
- 490
- 2010 **Lele**, Ashish Kishore, b. 1967, Ph.D. (Delaware), FNAE, Scientist, Polymer Science & Engineering Division, CSIR–National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 2199, Res. (020) 2589 3089, Mobile: 99600 65550, Fax (020) 2590 2618, email: ak.lele@ncl.res.in, sp. polymer dynamics, rheology & processing; rheology of complex fluids; hydrogels & gelation; PEM fuel cells. **Council Service:** 2017–18.

- Elected
Year
- 1986 **Lele, Shrikant**, b. 1943, Ph.D. (Banaras), FNA, FNASc, FNAE, Res. 377, Mahatma Society, Kothrud, Pune 411 038, Tel. (020) 2536 0906, Mobile: 97664 33322, email: drslele@gmail.com, sp. physical metallurgy & materials science.
- 2007 **Lohia, Anuradha**, b. 1956, Ph.D. (Calcutta), Vice Chancellor, Presidency University, Kolkata 700 073, Mobile: 98310 79838, email: amoeba22@gmail.com; vc@presiuniv.ac.in, sp. cell cycle of protozoan parasites; molecular genetics & genomics; regulation of gene expression. **Council Service:** 2010–12.
- 2009 **Madhubala, Rentala**, b. 1952, Ph.D. (Hyderabad), FNASc, FNAMS, FNA, FTWAS, Dr A S Paintal Distinguished Scientist Chair of ICMR, School of Life Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. & Fax (011) 2674 2630, Res. (011) 2625 3934, Mobile: 98102 91801, email: madhubala@mail.jnu.ac.in; rentala@outlook.com, sp. molecular parasitology.
- 1974 **Madhusudana, Nelamangala Vedavyasachar**, b. 1944, Ph.D. (Mysore), FNA, Emeritus Scientist, Soft Condensed Matter Laboratory, Raman Research Institute, C.V. Raman Avenue, Bengaluru 560 080, Tel. Off. 94808 36199; (080) 2361 1015, Res. (080) 2333 3407, Fax (080) 2361 0492, email: nvmadhu@rri.res.in, sp. liquid crystals.
- 2014 **Madras, Giridhar**, b. 1967, Ph.D. (Texas A&M), FNA, FNAE, FNASc, Department of Chemical Engineering, Indian Institute of Science, Bengaluru 560 012, email: giridhar@iisc.ac.in sp. catalysis; polymers; supercritical fluids.
- 1990 **Madyastha, Kattigari Madhava**, b. 1937, Ph.D. (Pune), FNASc, Res. 162, Srikrishna, V Main, IV Cross, NGEF Layout, Sanjaynagar, Bengaluru 560 094, Tel. (080) 2341 5584, email: kmm1937@yahoo.com, sp. bio-organic chemistry; xenobiotics metabolism; plant biochemistry; microbial transformations.
- 2014 **Mahadevan, Priya**, b. 1970, Ph.D. (IISc), SN Bose National Centre for Basic Sciences, JD Block, Sector 3, Salt Lake, Kolkata 700 106, Tel. Off. (033) 2335 5708, Mobile: 98307 89935, Fax (033) 2335 3477, email: priya@bose.res.in; priya.mahadevan@gmail.com, URL: www.bose.res.in/~priya, sp. electronic structure of materials; magnetism; nanostructured materials.
- 2003 **Mahadevan, Subramony**, b. 1953, Ph.D. (Tufts), Res. RV Enclave, C-201, 51, 6th Main Road, Malleswaram, Bengaluru 560 003, Tel. (080) 2334 7595, Mobile: 98452 08358, email: mahimrdg@gmail.com, sp. regulation of gene expression in bacteria; microbial physiology; microbial evolution.

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Year
- 1991 **Mahajan**, Kushal Kumar, b. 1939, Ph.D. (Banaras), FNA, Res. C1/121, Janakpuri, New Delhi 110 058, Tel. (011) 2553 6334; (011) 4985 4698, Mobile: 98100 92120, email: kkmahajan@yahoo.com; kkmahajan121239@gmail.com, sp. atmospheric & space science; ionospheres/atmospheres of earth & other planets.
- 500
- 2012 **Mahan**, Mj, b. 1968, Ph.D. (UC, Berkeley), School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2648, email: mahan.mj@gmail.com; mahan@math.tifr.res.in, sp. geometric group theory; geometric topology; hyperbolic geometry; Kaehler groups.
- 2018 **Mahapatra**, Souvik, b. 1970, Ph.D. (IIT, Bombay), FIEEE, FNAE, Department of Electrical Engineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7412, Res. (022) 2572 0408, Mobile: 98190 17412, Fax (022) 2572 3707, email: souvik@ee.iitb.ac.in; mahapatra.souvik@gmail.com, URL: <https://www.ee.iitb.ac.in/wiki/faculty/souvik>, sp. microelectronics and VLSI; semiconductor device; device-circuit reliability.
- 2013 **Mahapatra**, Susanta, b. 1968, Ph.D. (IIT, Kanpur), School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4826; (040) 2301 1537, Mobile: 94403 03184, email: susanta.mahapatra@uohyd.ac.in, URL: <http://chemistry.uohyd.ac.in/~sm>, sp. theoretical chemical dynamics; nonadiabatic processes.
- 1994 **Maharana**, Jnanadeva, b. 1945, Ph.D. (IIT, Kanpur), FNA, Raja Ramanna Fellow, Institute of Physics, Sachivalaya Marg, Bhubaneswar 751 005, Tel. Off. (0674) 230 6403, Res. (0674) 230 3444, Fax (0674) 230 0142, email: maharana@iopb.res.in, sp. string theory; field theory; quantum gravity.
- 2010 **Maiti**, Kalobaran, b. 1967, Ph.D. (IISc), FNASc, FNA, Dean (Natural Science Faculty) and Department of Condensed Matter Physics & Materials Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2302, Res. (022) 2280 4919, Fax (022) 2280 4610, email: kbmaiti@tifr.res.in, URL: <http://www.tifr.res.in/~kbmaiti>, sp. correlated electron systems; magnetism & superconductivity; topologically ordered systems; electron spectroscopy.
- 2018 **Maiti**, Prabal Kumar, b. 1969, Ph.D. (IIT, Kanpur), Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2865, Res. (080) 2351 7862, Mobile: 94484 77862, Fax (080) 2360 2602; (080) 2360 0228, email: maiti@iisc.ac.in; prabalmaiti@gmail.com, URL: www.physics.iisc.ac.in/~maiti, sp. molecular simulation; soft matter; DNA nanotechnology.

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- 2013 **Maiti**, Souvik, b. 1971, Ph.D. (Osmania), Scientist, CSIR–Institute of Genomics and Integrative Biology, Sukhdev Vihar, Mathura Road, Delhi 110 025, Tel. Off. (011) 2987 9108, Res. (0120) 248 5601, Mobile: 98111 30093, Fax (011) 2766 7471, email: souvik@igib.res.in, URL: <http://www.igib.res.in/?q=SouvikMaiti>, sp. biophysical chemistry; chemical biology.
- 2018 **Maiti**, Sudipta, b. 1964, Ph.D. (Pennsylvania), Department of Chemical Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2539, Res. (022) 2280 4980, Mobile: 98694 61384, Fax (022) 2280 4610, email: maiti@tifr.res.in; sudipta.maiti@gmail.com, URL: www.biophotonics.co.in, sp. biophysics; microscopy; optical spectroscopy.
- 1998 **Maitra**, Uday, b. 1957, Ph.D. (Columbia), FNA, Department of Organic Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 1968; (080) 2293 2690, Res. (080) 2360 1774, Fax (080) 2360 0529, email: maitra@iisc.ac.in; maitrau@gmail.com, URL: <http://www.orgchem.iisc.ac.in>, sp. chemistry of bile acids; organo & hydrogels; soft composite materials; photoluminescent sensors, **Council Service**: 2013–18; Secretary: 2013–18.
- 2018 **Maji**, Tapas Kumar, b. 1974, Ph.D. (IACS), Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2826, Res. (080) 2369 0611, Mobile: 94835 40611, email: tmaji@jncasr.ac.in; tmaji74@gmail.com, URL: www.jncasr.ac.in/tmaji, sp. porous materials; inorganic–organic hybrid soft nanomaterials; molecule based magnetic and optoelectronic materials.
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- 2014 **Majumdar**, Subeer Suhash, b. 1961, Ph.D. (Nagpur), FNA, FNASc, Director, National Institute of Animal Biotechnology, Gopanpally, Hyderabad 500 046, Tel. Off. (040) 2312 0102, Mobile: 98181 70750, Fax (040) 2312 0130, email: subeer@niab.org.in, sp. animal biotechnology; transgenic animals; endocrinology.
- 2015 **Majumder**, Gobinda, b. 1967, Ph.D. (Bombay), FNASc, Department of High Energy Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2378, Res. (022) 2278 3378, Mobile: 97574 88232, Fax (022) 2280 4610, email: gobinda@tifr.res.in, URL: <http://www.tifr.res.in/~gobinda/>, sp. calorimeter; Cherenkov counter, RPC; B-physics & CP-violation; electroweak physics at collider.

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- 2006 **Majumder**, Hemanta Kumar, b. 1950, Ph.D. (Calcutta), FNA, FNASc, FTWAS, JC Bose National Fellow, NASI Senior Scientist, CSIR–Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2499 5727, Res. (033) 2359 1532, Mobile: 98319 26491, Fax (033) 2473 5197, email: hkmajumder@iicb.res.in; hemantamajumder@yahoo.co.in, sp. biochemistry; molecular biology; parasitology.
- 1998 **Majumder**, Partha Pratim, b. 1952, Ph.D. (ISI, Calcutta), FNA, FNASc, FTWAS, Distinguished Professor, National Institute of Biomedical Genomics, Netaji Subhas Sanatorium Post, Kalyani 741 251, Tel. Off. (033) 2589 2150; (033) 2589 2151, Res. (033) 2565 4314, email: ppm1@nibmg.ac.in, sp. biostatistics; human genetics; population genetics. **Council Service:** 2016–; President: 2019–.
- 1986 **Malhotra**, Kailash Chandra, b. 1938, Ph.D. (Pune), FNA, Res. 385, Sector 29, Noida 201 301, email: kcmalhotra2001@yahoo.co.in, sp. population genetics; human ecology.
- 2016 **Malhotra**, Pawan, b. 1960, Ph.D. (Delhi), FNASc, FNA, Group Leader, Malaria Biology Group, International Centre for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 1358/457; (011) 2674 2895, Res. (011) 2511 0774, Mobile: 98107 79378, Fax (011) 2674 2316, email: pawanmal@gmail.com, sp. malaria parasite biology; molecular biology; drug & vaccine development.
- 1994 **Malik**, Satish Kumar, b. 1943, Ph.D. (Bombay), FNA, Visiting Professor, Centro Internacional de Fisica da Materia Condensada (CIFMC), ICCMP, Universidade de Brasilia, C. Postal 04513, 70904-970 Brasilia DF, Brazil, Tel. Off. (+55-61) 3307 2571/24, Mobile: (+55-61) 8495 0369, Fax (+55-61) 3307 1771, email: skm@tifr.res.in, sp. rare earth magnetism; superconductivity; strongly correlated electron systems.
- 2010 **Mallick**, Birendra Nath, b. 1956, Ph.D. (AIIMS), FNA, FNASc, School of Life Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4522, Res. (011) 2674 1370, Mobile: 98106 60572, Fax (011) 2674 2558, email: remsbnm@yahoo.com, URL: <http://www.jnu.ac.in/Faculty/bnmallick/>, sp. physiology/neurophysiology; neuro-pharmacology; neuro-cognitive biology; sleep-wakefulness-REM sleep.

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- 1997 **Mallik**, Asok Kumar, b. 1947, Ph.D. (IIT, Kanpur), FNA, FNASc, FNAE, Res. P-31, CIT Road, Scheme VI M(S), Kolkata 700 054, Tel. (033) 2364 8833, email: akmallik@iitk.ac.in; asokiitk@gmail.com, sp. vibration engineering; kinematics; dynamics of machines.
- 2012 **Mallik**, Ranjan Kumar, b. 1964, Ph.D. (USC, Los Angeles), FNA, FNAE, FNASc, FIEEE, FTWAS, Department of Electrical Engineering, Indian Institute of Technology–Delhi, Hauz Khas, New Delhi 110 016, Tel. Off. (011) 2659 1049, Res. (011) 2659 1572, Mobile: 98106 54162, Fax (011) 2658 1606, email: rkmallik@ee.iitd.ernet.in; ranjankmallik@yahoo.co.in, sp. electrical engineering (communications).
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- 2017 **Mallik**, Roop, b. 1970, Ph.D. (TIFR), Department of Biological Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2702, Res. (022) 2280 4703, Fax (022) 2280 4610, email: roop@tifr.res.in, URL: <http://www.tifr.res.in/~roop/>, sp. biophysics of molecular motors; phagosome dynamics; lipid droplets; triglyceride secretion from liver.
- 1995 **Mandal**, Asit Baran, b. 1952, Ph.D. (Jadavpur), FRSC, FNAE, INAE Distinguished Professor, CSIR–Central Glass and Ceramic Research Institute, 196 Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2322 3402; (033) 2473 5829, Mobile: 80561 43732; 99401 21703, Fax (033) 2473 0957; (033) 2483 9266, email: abmandal@cgcri.res.in; abmandal@hotmail.com, sp. physical & biophysical chemistry; organized self-assemblies; nanomaterials; ionic liquids; environmental S&T; colloids and surface sciences; electrochemistry & thermodynamics.
- 2006 **Mandal**, Chitra, b. 1951, Ph.D. (IISc), FNA, FNASc, FTWAS, FAMS, JC Bose National Fellow, SERB Distinguished Fellow, CSIR–Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2499 5717, Mobile: 98310 36964, email: cmandal@iicb.res.in; chitra_mandal@yahoo.com, sp. glycobiology; cancer biology; immunobiology.
- 2014 **Mandal**, Gautam, b. 1962, Ph.D. (Bombay), FNA, Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2429, Fax (022) 2280 4610, email: mandal@theory.tifr.res.in, URL: <http://theory.tifr.res.in/~mandal/>, sp. quantum field theory; gravity; string theory.

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- 2018 **Mandal, Mahitosh**, b. 1963, Ph.D. (IICB), FNASc, FNA, JC Bose National Fellow, School of Medical Science and Technology, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 3578, Res. (03222) 28 3579, Mobile: 94348 96984, Fax (03222) 28 2221, email: mahitosh@smst.iitkgp.ac.in; mahitoshm@gmail.com, URL: <http://www.iitkgp.ac.in/department/MM/faculty/mm-mahitosh>, sp. cancer biology; multidrug resistance; drug delivery.
- 2006 **Mandal, Nibir**, b. 1963, Ph.D. (Jadavpur), FNA, Department of Geological Sciences, Jadavpur University, Kolkata 700 032, Tel. Off. (033) 2414 6666/2364, Res. (033) 2462 6528, email: nibirmandal@yahoo.co.in; nibirmandal@hotmail.com, sp. structural geology; solid earth geophysics; tectonics.
- 1993 **Mandal, Nitai Chandra**, b. 1938, Ph.D. (Calcutta), FNA, FNASc, Res. E-5, Digantika, AH Block, Sector II, Salt Lake, Kolkata 700 091, Mobile: 94775 85894, email: mandalnc2003@yahoo.com, sp. molecular genetics; molecular biology of prokaryotes.
- 2019 **Mandal, Prabhat**, b. 1959, Ph.D. (Calcutta), Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF Block, Sector 1, Bidhan Nagar, Kolkata 700 064, Tel. Off. (033) 2337 5345-49, Res. (033) 2358 1034, Mobile: 98309 98566, Fax (033) 2337 4637, email: prabhat.mandal@saha.ac.in, URL: <http://www.saha.ac.in/web/ecmpd-personal-page?mid=47&tab=tab2>, sp. topological insulator & Dirac/Weyl semimetals; strongly correlated & superconductivity; multi-functional oxides.
- 1975 **Mande, Chintamani**, b. 1925, D.Phil. (Allahabad), D.Sc. (Paris), FNASc, Res. C/o Dr Shekhar C. Mande, Director's Residence, National Centre for Cell Science, Ganeshkhind, Pune 411 007, Tel. (020) 2570 8013, email: c_mande@hotmail.com, sp. X-ray spectroscopy; solid state physics.
- 2003 **Mande, Shekhar Chintamani**, b. 1962, Ph.D. (IISc), FNA, FNASc, Secretary, Department of Scientific & Industrial Research and Director General, Council of Scientific & Industrial Research, Anusandhan Bhavan, 2 Rafi Marg, New Delhi 110 001, Tel. Off. (011) 2371 0618, email: shekhar@csir.res.in; dg@csir.res.in, sp. macromolecular crystallography; protein structure & function.
- 530
- 1984 **Mani, Harihara Subra**, b. 1938, Ph.D. (Columbia), FNASc, Adjunct Professor, Chennai Mathematical Institute, Chennai; Res. 2, Seethambal Illam, Fourth Cross Street, Durga Colony, Sembakkam, Chennai 600 073, Tel. (044) 2228 1131, Mobile: 94447 04725, email: hsmani@gmail.com, sp. elementary particle physics.

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- 2008 **Manna**, Indranil, b. 1961, Ph.D. (Kharagpur), FNASc, FNAE, FNA, FTWAS, Department of Metallurgical and Materials Engineering, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 3266, Res. (03222) 28 3267, Mobile: 81278 84422, email: imanna@metal.iitkgp.ac.in, URL: www.imanna.in, sp. structure–property correlation of engineering solids; nano-structured materials; surface engineering; laser additive manufacturing; nanofluids.
- 2018 **Manoj Kumar**, b. 1962, Ph.D. (GNDU, Amritsar), Department of Chemistry, Guru Nanak Dev University, Amritsar 143 005, Tel. Off. (0183) 245 0601-14; (0183) 225 8802-09/3273, Res. (0183) 225 5109, Mobile: 94176 27758, Fax (0183) 225 8820, email: mksharmaa@yahoo.co.in, sp. supramolecular chemistry; physical organic chemistry; functional materials.
- 1975 **Mantravadi**, Murty Venkataradhakrishna, b. 1929, Ph.D. (Rochester), Res. Apartment 108, 1045 Morning View Drive, Escondido, CA 92026, USA, Tel. (+1-760) 655 2285, email: collimate@yahoo.com, sp. optics; optical engineering.
- 2001 **Marimuthu**, Ganapathy, b. 1954, Ph.D. (MKU), D.Sc. (MKU), FNA, FNASc, Res. 2/201, North 2nd Street, Rajambadi, Palkalai Nagar, Madurai 625 021, Tel. (0452) 245 8658, Mobile: 97916 96463, email: mailboxgm@gmail.com; mailbox_gm@rediffmail.com, sp. animal behaviour; chronobiology.
- 1983 **Mashelkar**, Raghunath Anant, b. 1943, Ph.D. (Bombay), FNA, FNASc, FNAE, FRS, FTWAS, Foreign Assoc., US Natl. Acad. Sci., National Research Professor, Global Research Alliance, 3rd Floor, Adams Court, Above Bank of Baroda, Baner, Pune 411 045, Tel. Off. (020) 4692 5703; (020) 4692 5700, email: ram@mashelkar.com, URL: www.mashelkar.com, sp. polymer science & engineering; molecular & convective diffusion; non-Newtonian fluid mechanics; rheology. **Council Service:** 1989–2000; Vice-President: 1995–2000.
- 1993 **Mathews**, Cherian Kanjirathumkal, b. 1935, Ph.D. (McMaster), Managing Director, Indus Scientific Private Limited, Bengaluru; Res. 11/2B, Hennur Bande, Hennur Road, Bengaluru 560 043, Tel. Off. (080) 2544 9762; (080) 2544 9764, Mobile: 98440 10286, Fax (080) 2543 0914, email: md@indusscientific.com; ckmathews@indusscientific.com, sp. high temperature chemistry; solid state ionics & sensors; materials characterization; instrumentation.

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Year

- 1975 **Mathews**, Piravonu Mathews, b. 1932, Ph.D. (Madras), FNA, Res. No. 22/20, Lady Madhavan Road, Nungambakkam, Chennai 600 034, Tel. (044) 2817 2098, Mobile: 99403 05041, email: indi4272@yahoo.com, sp. geoastronomy & geodynamics; quantum theory of particles & fields; statistical mechanics & mathematical methods.
- 2018 **Mathews**, Vikram, b. 1966, MD & DM (MGR Medical Univ.), Head, Department of Haematology, Christian Medical College, Vellore 632 004, Tel. Off. (0416) 228 2891, Res. (0416) 228 2340, Mobile: 94433 39340; 99946 28232, Fax (0416) 222 6449, email: vikram@cmcvellore.ac.in; vmathews6698@gmail.com, URL: <http://cmchaematology.org/dr-vikram-mathews.php>, sp. haematology; acute leukaemia; allogeneic stem cell transplantation.
- 1993 **Mathur**, Asha, b. 1938, MD (Lucknow), FRC Path. (London), FNA, FAMS, FNASc, FTWAS, Department of Pathology & Microbiology, Saraswati Medical & Dental College, Lucknow; Res. 103, Shalimar Estate, Birbal Sahnii Marg, New Hyderabad, Lucknow 226 007, Tel. Off. (0522) 281 5044; (0522) 281 5045, Res. (0522) 278 0325, Mobile: 96213 95580, email: asha.mathur@gmail.com, sp. virology; immunology; medical microbiology.
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- 1992 **Mathur**, Deepak, b. 1952, Ph.D. (London), FNA, FTWAS, JC Bose National Fellow, Department of Atomic and Molecular Physics, Manipal Academy of Higher Education, Manipal 576 104, Tel. Off. (0820) 292 5071, email: atmol1@gmail.com; deepak.mathur@manipal.edu, sp. atomic, molecular & optical physics; intense & ultrafast laser fields; molecular dynamics; biological physics.
- 1996 **Mathur**, Pradeep, b. 1955, Ph.D. (Keele), D.Sc.(h.c.) (Keele), JC Bose National Fellow, Director, Indian Institute of Technology–Indore, Simrol, Indore 452 020, Tel. Off. (0731) 243 8711; (0731) 243 8712, Res. (0731) 243 8791, Fax (0731) 243 8710, email: director@iiti.ac.in; mathur@iitb.ac.in, URL: www.chem.iitb.ac.in/~mathur, sp. organo-metallics & cluster chemistry.
- 2002 **Mayor**, Satyajit, b. 1963, Ph.D. (Rockefeller), FNA, FTWAS, Foreign Fellow–US Natl. Acad. Sci., JC Bose National Fellow, Director, Institute for Stem Cell Biology and Regenerative Medicine and Director, National Centre for Biological Sciences, UAS-GKVK Campus, Bellary Road, Bengaluru 560 065, Tel. Off. (080) 2366 6301, Res. (080) 2546 4058, Fax (080) 2363 6662, email: mayor@ncbs.res.in, URL: <http://www.ncbs.res.in/mayor>, sp. cell biology; biophysics.

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Year
- 1981 **Meher-Homji**, Vispy Minocher, b. 1932, D.Sc. (Toulouse), Ph.D. (Bombay), FNA, FNASc, Res. 20D, Sagar Sangeet, 58, Colaba Road, Mumbai 400 005, Tel. (022) 2215 0120, sp. plant ecology; plant geography; bioclimatology.
- 1982 **Mehta**, Chandra Lal, b. 1938, Ph.D. (Rochester), Res. B-43, Gyandeeep Apartments, Mayur Vihar, Phase-I, New Delhi 110 091, Tel. (011) 2279 6410, Mobile: 90133 91375, email: mehtacl@hotmail.com, sp. quantum & statistical optics; mathematical physics.
- 1979 **Mehta**, Goverdhan, b. 1943, Ph.D. (Pune), D.Sc. (h.c.), FNA, FNASc, FRS, FTWAS, University Distinguished Professor & Dr Kallam Anji Reddy Chair, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4848; (040) 2301 0785, Res. (040) 2313 6145, Mobile: 80083 93737, Fax (040) 2301 2460, email: gmsc@uohyd.ernet.in; gmehta43@gmail.com, sp. synthetic organic chemistry; natural products chemistry. **Council Service**: 1989–94, Vice-President: 1992–94.
- 1974 **Menon**, Thuppalay Kochugovinda, b. 1928, Ph.D. (Harvard), Res. 106-2803 41st Avenue, Vancouver, British Columbia V6N 4B4, Canada, Tel. Off. (+1-604) 822 0330, Res. (+1-604) 266 1789, email: menon@astro.ubc.ca, sp. astrophysics.
- 1984 **Merh**, Sukumar Shyam Lal, b. 1928, Ph.D. (London), FNA, FNASc, Res. Flat 5, Ashdown Court, 5 Idmiston Road, Worcester Park, Surrey KT4 7SE, London, UK, Tel. (+44-20) 8330 1225, sp. structural geology; Himalayan geology; Quaternary geology.
- 2011 **Minwalla**, Shiraz, b. 1972, Ph.D. (Princeton), Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2212, Res. (022) 2287 5952, Mobile: 98670 50908, Fax (022) 2280 4610-11, email: shiraz.minwalla@gmail.com, sp. string theory; gravity; quantum field theory.
- 2009 **Mishra**, Akhilesh Chandra, b. 1950, Ph.D. (Pune), FNA, Director, Interactive Research School of Health Affairs, Bharati Vidyapeeth University, Katraj, Pune 411 043, Tel. Off. (020) 2436 6920, Mobile: 99701 78555, email: acm1750@gmail.com, sp. human viral infections and zoonotic disease of public health importance.
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- 2005 **Mishra**, Gyan Chandra, b. 1947, Ph.D. (Udaipur), FNA, FNASc, NASI Platinum Jubilee Chair, Distinguished Professor, National Centre for Cell Science, NCCS Complex, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2570 8283, Res. (020) 2720 1638, Mobile: 94225 22705, Fax (020) 2569 7756, email: gcmishra@nccs.res.in, sp. immunology; cell biology.

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1999	Mishra, Manoj Kumar , b. 1952, Ph.D. (Florida), FNASc, Res. A-604, Blue Nile Apartment, Near Hiranandani Hospital, Powai, Mumbai 400 076, email: mmishraitb@gmail.com, sp. electronic structure theory; photo/collisional dynamics.
2012	Mishra, Rakesh Kumar , b. 1961, Ph.D. (Allahabad), FNASc, FNA, Director, CSIR–Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2600, Res. (040) 2720 6400, Mobile: 94419 02188, Fax (040) 2716 0591, email: mishra@ccmb.res.in, sp. genomics; chromatin; epigenetics.
1987	Mishra, Santosh Kumar , b. 1941, Ph.D. (Pune), FNA, Res. Flat 4, 163/24, Mausam Vihar, Park Avenue, Off DP Road, Aundh, Pune 411 007, Tel. (020) 2589 0369, email: skmishrapune@rediffmail.com, sp. dynamic meteorology; numerical modelling of the atmosphere.
1999	Misra, Gadadhar , b. 1956, Ph.D. (SUNY, Stony Brook), FNA, FNASc, Department of Mathematics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2712, Res. (080) 2341 2348, Mobile: 94498 17021, Fax (080) 2360 0146, email: gm@iisc.ac.in; gadadhar.misra@gmail.com, URL: http://math.iisc.ac.in/~gm/, sp. operator theory; operator spaces. Council Service: 2007–09.
1983	Misra, Krishna Behari , b. 1943, Ph.D. (IIT, Roorkee), FNAE, Res. 71, Vrindaban Vihar, Krishna Kutir, Ajmer Road, Jaipur 302 019, Tel. (0141) 402 6080, Mobile: 94140 44080, email: kbmisra@gmail.com, sp. reliability, maintainability, availability, risk & safety, sustainability & performability engineering.
2003	Misra, Usha Kant , b. 1952, MD (Lucknow), FAMS, FRCP (Edinburgh), FNA, FNASc, FAMS, Department of Neurology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Rae Bareilly Road, Lucknow 226 014, Tel. Off. (0522) 249 4167, Res. (0522) 220 5931, Mobile: 94506 53685, Fax (0522) 266 8811, email: drukmisra@rediffmail.com, sp. clinical neurology; neurophysiology; tropical neurology.
1975	Mistry, Kekhushroo Bamanshaw , b. 1936, Ph.D. (Delhi), Res. 52, Sunshine, Dr Rajaballi Patel Lane, Mumbai 400 026, Tel. (022) 2351 7387; (022) 2351 0564, Mobile: 97730 77329, sp. soil science; fertilizers; agrochemicals.
1972	Mitra, Asoke Nath , b. 1929, Ph.D. (Delhi & Cornell), FNA, FNASc, FTWAS, Res. 244, Tagore Park (Near Kingsway Camp), Delhi 110 009, Tel. (011) 4706 3061; (011) 2744 6153, email: anmitraph@gmail.com, sp. theoretical, nuclear & quark physics. Council Service: 1974–76.

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2013 560	Mitra, Debashis , b. 1960, Ph.D. (Jadavpur), FNASc, FNA, Director, Centre for DNA Fingerprinting & Diagnostics, Inner Ring Road, Uppal, Hyderabad 500 039, Tel. Off. (040) 2721 6003, Mobile: 98230 59841, Fax (040) 2721 6006, email: dmitra@cdfd.org.in, sp. molecular virology; HIV/AIDS & anti-viral drug discovery; molecular immunology.
1982	Mitra, Samaresh , b. 1940, D.Phil. (Calcutta), FNA, FNASc, Res. Panchami, No. 508, Uditra, 1050/1, Survey Park, Kolkata 700 075, Tel. (033) 2418 8209, Mobile: 98312 73257, email: samaresh.mitra@gmail.com, sp. biological chemistry; inorganic biochemistry.
1986	Mittal, Jai Pal , b. 1940, Ph.D. (Notre Dame), FNA, FNASc, FTWAS, MN Saha Distinguished Professor (NASI), Bhabha Atomic Research Centre, Mumbai; Res. 11-B, Rohini Co-op. Housing Society, Sector 9A, Vashi, Navi Mumbai 400 703, Tel. Off. (022) 2559 5245; (022) 2559 5246, Res. (022) 2766 4822, Fax (022) 2550 5151, email: mittaljp2003@yahoo.co.in; mittaljp@barc.gov.in, sp. radiation chemistry & radiation biology; photochemistry & photobiology; laser chemistry; chemical dynamics.
2007	Mittal, Sanjay , b. 1968, Ph.D. (Minnesota), FNAE, FNA, FNASc, Department of Aerospace Engineering, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7906, Res. (0512) 259 8702, Fax (0512) 259 7561, email: smittal@iitk.ac.in, URL: home.iitk.ac.in/~smittal, sp. unsteady aerodynamics; finite element analysis; high performance computing; experimental aerodynamics; bluff-body flows; vortex induced vibrations; fluid–structure interactions; high speed flows; flows in air-intakes; decelerator aerodynamics; aerodynamic shape optimization; sports aerodynamics; traffic flow.
1998	Mittra, Indraneel , b. 1943, M.B.B.S. (Delhi), Ph.D. (London), FRCS (England), FNA, Dr Ernest Borges Chair in Translational Research & Professor Emeritus, Department of Surgical Oncology, Tata Memorial Centre, Dr Ernest Borges Road, Mumbai 400 012, Tel. Off. (022) 2417 7285, Res. (022) 2497 6307, Mobile: 97697 69720, Fax (022) 2417 7286; Advanced Centre for Treatment, Research and Education in Cancer, Kharghar, Navi Mumbai 410 210, Tel. Off. (022) 2740 5136, Fax (022) 2740 5061, email: indraneel.mittra@gmail.com, sp. cancer surgery; cancer biology; cancer prevention. Council Service: 2004–06.

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Year
- 1999 **Mohan**, Anand, b. 1957, Ph.D. (Banaras), FNASc, Registrar, Dayalbagh Educational Institute, Dayalbagh, Agra 282 005, Tel. Off. (0562) 257 0372, Mobile: 93369 07431; 70605 20949, email: anand.abhu@gmail.com; registrar.dei@gmail.com, sp. metamorphic petrology; mineralogy; Precambrian geology; disaster management & mitigation; consciousness studies.
- 2012 **Mohan**, Viswanathan, b. 1954, Ph.D. & D.Sc. (Madras), FNA, FNASc, FTWAS, FRCP (London, Glasgow, Edinburgh, Ireland), Director, Madras Diabetes Research Foundation & Dr Mohans Diabetes Specialities Centre, No. 6, Conran Smith Road, Gopalapuram, Chennai 600 086, Tel Off. (044) 4396 8888, Res. (044) 2431 1238, Mobile: 98400 97370, Fax (044) 2835 0935, email: drmohans@diabetes.ind.in, sp. diabetes & its complications; epidemiology; genomics; precision diabetes.
- 1993 **Mohan Kumar**, Neithalath, b. 1951, Ph.D. (Bombay), Department of Mathematics, Washington University, One Brookings Drive, Campus Box 1146, St. Louis, MO 63130, USA, Tel. Off. (+1-314) 935 6728, Res (+1-314) 726 2115, Fax (+1-314) 935 6839, email: kumar@wustl.edu, URL: www.math.wustl.edu/~kumar, sp. commutative algebra; algebraic geometry.
- 1999 **Mohan Rao**, Chintalagiri, b. 1954, Ph.D. (Hyderabad), FNA, FNASc, FTWAS, JC Bose National Fellow, CSIR–Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 5630, Res. (040) 2720 3931, Fax (040) 2719 5633, email: mohan@ccmb.res.in, URL: www.ccmb.res.in/staff/mohan, sp. molecular biology and biophysics; protein folding and molecular chaperones in health and disease; role of heat shock proteins in gene expression, cell cycle, differentiation and apoptosis; DNA based diagnostics & nanobiology.
- 2017 **Mohanty**, Bedangadas, b. 1973, Ph.D. (IoP, Bhubaneswar), FNA, FNASc, School of Physical Sciences, National Institute of Science Education and Research, Jatni P.O., Khurda 752 050, Tel. Off. (0674) 249 4266, Res. (0674) 249 4200, Mobile: 88955 84872, Fax (0674) 249 4004, email: bedanga@niser.ac.in, URL: http://www.niser.ac.in/~bedanga, sp. experimental high energy physics; phase diagram of quantum chromodynamics; emergent properties of QCD; dark matter.
- 2012 **Mohanty**, Debasisa, b. 1966, Ph.D. (IISc), FNASc, FNA, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2670 3749, Res. (011) 2670 3730, Mobile: 98187 47627, Fax (011) 2674 2125, email: deb@nii.ac.in, sp. bioinformatics; computational & structural biology; biophysics.

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- 1993 **Mohanty**, Uma Charan, b. 1948, Ph.D. (Moscow), FNASc, FNAE, FNA, School of Earth, Ocean and Climate Sciences, Indian Institute of Technology–Bhubaneswar, Argul, Jatni P.O., Khurda 752 050, Tel. Off. (0674) 713 5505/5524, Mobile: 87638 62775; 87639 94797, email: ucmohanty@gmail.com; ucmohanty@iitbbs.ac.in, sp. numerical weather prediction; monsoon dynamics; climate modelling; climate change studies, tropical meteorology; mesoscale modelling system.
- 1993 **Mohanty-Hejmadi**, Priyambada, b. 1939, Ph.D. & MS (Michigan), Res. c/o BC Mohanty & Sons, Rajabagicha, Cuttack 753 009, Mobile: 87632 84662; 77500 17996, email: mohantyhejmadi@yahoo.com; mohantyhejmadi.com@gmail.com, sp. developmental biology; herpetology (amphibians & reptiles including the olive ridley sea turtle).
- 2010 **Mondal**, Naba Kumar, b. 1951, Ph.D. (Bombay), D.Sc. (h.c.), FNA, FNASc, FTWAS, Raja Ramanna Fellow, Saha Institute of Nuclear Physics, AF Block, Sector 1, Bidhan Nagar, Kolkata 700 064, Tel. Off. (033) 2337 5345/1733, Res. (033) 4064 8539, Mobile: 99875 37701, email: naba.mondal@saha.ac.in; nkm@tifr.res.in, sp. experimental particle physics; accelerator-based and non-accelerator-based particle physics; neutrino physics.
- 2010 **Moorthy**, Jarugu Narasimha, b. 1964, Ph.D. (IISc), Department of Chemistry, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7438, Res. (0512) 259 8527, Mobile: 94503 43016, Fax (0512) 259 6806, email: moorthy@iitk.ac.in, sp. organic photochemistry; supramolecular chemistry; mechanistic organic chemistry and synthesis.
- 2012 **Mugesh**, Govindasamy, b. 1970, Ph.D. (IIT, Bombay), FNASc, FNA, FRSC (London), JC Bose National Fellow, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 2566, Res. (080) 2360 5888, Mobile: 94484 50108, Fax (080) 2360 2566, email: mugesh@iisc.ac.in, URL: <http://ipc.iisc.ac.in/gm.php>, sp. bio-inorganic chemistry; chemical biology; medicinal chemistry.
- 2014 **Mujumdar**, Pradeep Pralhad, b. 1958, Ph.D. (IISc), Department of Civil Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2323, Res. (080) 2360 2668, Mobile: 98452 15612, Fax (080) 2360 0290, email: pradeep@civil.iisc.ernet.in, URL: <http://civil.iisc.ernet.in/~pradeep/>, sp. hydrology; uncertainty modelling; climate change impacts.

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- 2001 **Mukerjee**, Rahul, b. 1956, Ph.D. (Calcutta), FNA, FNASc, Indian Institute of Management, Joka, Diamond Harbour Road, Kolkata 700 104, Tel. Off. (033) 2467 8300, Res. (033) 2423 9712, Fax (033) 2467 8307, email: rmuk0902@gmail.com, sp. design of experiments; asymptotic theory; survey sampling.
- 2014 **Mukerji**, Mitali, b. 1967, Ph.D. (IISc), Chief Scientist, Genomics & Molecular Medicine, CSIR–Institute of Genomics & Integrative Biology, Sukhdev Vihar, Mathura Road, New Delhi 110 020, Tel. Off. (011) 2987 9302, Res. (011) 2692 1523, Mobile: 98112 88052, Fax (011) 2987 9111, email: mitali@igib.res.in, sp. functional genomics; population genomics; ayurgenomics.
- 1987 **Mukherjee**, Debashis, b. 1946, Ph.D. (Calcutta), D.Sc. (h.c.), FNA, FNASc, FTWAS, SN Bose Chair Professor, SN Bose National Centre for Basic Sciences, JD Block, Sector 3, Salt Lake, Kolkata 700 106, Tel. Off. (033) 2335 1313, Mobile: 93310 19518, Fax (033) 2335 3477, email: pcdm@iacs.res.in; pcdemu@gmail.com, URL: www.iacs.res.in/pcdm.html, sp. theoretical chemistry; theoretical spectroscopy.
- 2020 **Mukherjee**, Partha Sarathi, b. 1973, Ph.D. (Jadavpur), FRSC, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3352, Res. (080) 2360 0023, Mobile: 99862 48948; 99802 49842, Fax (080) 2360 1552, email: psm@iisc.ac.in, URL: http://ipc.iisc.ac.in/~psm/, sp. supramolecular chemistry.
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- 1999 **Mukherjee**, Rabindra Nath, b. 1953, Ph.D. (Calcutta), FNA, Emeritus Fellow, Department of Chemistry, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 6612, Res. (0512) 259 8947, Mobile: 98308 39343; 99033 82482, Fax (0512) 259 7436, email: rnm@iitk.ac.in; math.mukherjee@gmail.com, URL: https://www.iitk.ac.in/new//rabindra-nath-mukherjee, sp. inorganic chemistry; bioinorganic chemistry.
- 2005 **Mukherjee**, Sunil Kumar, b. 1950, Ph.D. (Calcutta), FNASc, FNA, INSA Senior Scientist, Department of Genetics, University of Delhi South Campus, Benito Juarez Marg, New Delhi 110 021, Tel. Res. (011) 2689 5815, Mobile: 98719 95629, email: sunilmukherjee@hotmail.com, sp. molecular biology; extra chromosomal DNA replication; plant viral pathogenesis & RNAi.

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- 2000 **Mukhi**, Sunil, b. 1956, Ph.D. (SUNY, Stony Brook), FNA, FTWAS, Dean (Faculty) & Professor of Physics, Indian Institute of Science Education and Research–Pune, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8116, Mobile: 98672 01156, Fax (020) 2025 1566, email: sunil.mukhi@gmail.com, URL: www.sunilmukhi.in, sp. string theory; quantum gravity; supersymmetry.
- 2010 **Mukhopadhyay**, Amitabha, b. 1959, Ph.D. (Jadavpur), FNASc, FNA, KUSUMA School of Biological Sciences, Indian Institute of Technology–Delhi, Hauz Khas, New Delhi 110 016, Tel. Off. (011) 2659 1106, Mobile: 98108 87164, email: amitabha@bioschool.iitd.ac.in, sp. cell biology; host–pathogen interactions; drug delivery.
- 1988 **Mukhopadhyay**, Dhrubajyoti, b. 1938, Ph.D. (London), FNA, FNASc, INSA Emeritus Scientist, Raman Centre for Applied & Interdisciplinary Sciences, Kolkata; Res. G-7, MIG Housing Estate, 25/3 Raja Manindra Road, Kolkata 700 037, Tel. (033) 2556 8099, Mobile: 94330 92581, email: dhruba_38@yahoo.co.uk, sp. structural geology; Precambrian geology.
- 2013 **Mukhopadhyay**, Sangita, b. 1966, Ph.D. (Utkal), FNASc, FNA, Group Leader, Molecular Cell Biology Laboratory, Centre for DNA Fingerprinting & Diagnostics, Inner Ring Road, Uppal, Hyderabad 500 039, Tel. Off. (040) 2721 6134, Res. (040) 2988 6994, Mobile: 94907 51094, Fax (040) 2721 6006, email: sangita@cdfd.org.in; sangitacdfd@gmail.com, URL: http://www.cdfd.org.in/labpages/sangita.html, sp. immunology; cell signalling; communicable disease.
- 2018 **Mukhopadhyaya**, Biswarup, b. 1960, Ph.D. (Calcutta), FNASc, HAG Professor, Indian Institute of Science Education and Research–Kolkata, Mohanpur 741 246, Tel. Off. (033) 6136 0000/1351, Mobile: 94153 16909, email: biswarup@iiserkol.ac.in, sp. theoretical high energy physics.
- 2018 **Mukund**, Madhavan, b. 1965, Ph.D. (Aarhus), Chennai Mathematical Institute, H1, SIPCOT IT Park, Siruseri, Kelambakkam, Chennai 603 103, Tel. Off. (044) 7196 1023, Res. (044) 2457 0321, Mobile: 94449 92990, Fax (044) 2747 0225, email: madhavan@cmi.ac.in, URL: http://www.cmi.ac.in/~madhavan/, sp. models for concurrent and distributed systems; distributed algorithms.

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- 1984 **Mukunda**, Hanasoge Suryanarayana Avadhany, b. 1943, Ph.D. (IISc), FNAE, Chairman, Advanced Research Centre, Jain University, Bengaluru; Adviser, ABETS, CGP Laboratory, Indian Institute of Science, Bengaluru 560 012, Tel. Res. (080) 2323 5014, Mobile: 98455 98200, Fax (080) 2360 1692, email: hsm.cgpl@gmail.com, sp. combustion aerodynamics; fluid mechanics; rocket propulsion; energy from bioresidues, fire safety science.
- 1975 **Mukunda**, Narasimhaiengar, b. 1939, Ph.D. (Rochester), FNA, FNASc, FTWAS, Res. 103, 6th Main Road, Malleswaram, Bengaluru 560 003, Tel. (080) 2334 8657, Mobile: 96329 19422, email: nmukunda@gmail.com, sp. theoretical particle physics; mathematical physics; mechanics; theoretical optics. **Council Service:** 1989–91, 1998–2012; Editor of Publications: 1998–2012, Vice-President: 2001–12.
- 1994 **Muniyappa**, K, b. 1952, Ph.D. (IISc), FNA, FNASc, FTWAS, CSIR Bhatnagar Fellow & Honorary Professor, Department of Biochemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 0278; (080) 2293 2235, Res. (080) 4866 6966, Fax (080) 2360 0814, email: kmbc@iisc.ac.in, sp. molecular genetics; genetic recombination; telomere biology.
- 1987 **Munjal**, Manohar Lal, b. 1945, Ph.D. (IISc), FNA, FNAE, FNASc, INSA Honorary Scientist, Facility for Research in Technical Acoustics, Department of Mechanical Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2303; (080) 2360 3611, Res. (080) 2341 4855, Fax (080) 2360 0648, email: munjal@iisc.ac.in, URL: <http://www.mecheng.iisc.ac.in/~frita/>, sp. technical acoustics; noise & vibration control; mufflers & silencers.
- 2017 **Munshi**, Ritabrata, b. 1976, Ph.D. (Princeton), FNA, Statistics & Mathematics Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata 700 108, Tel. Off. (033) 2575 3400, Res. (033) 2332 2527, Mobile: 90040 55057, Fax (033) 2577 3071, email: ritabrata-munshi@gmail.com, sp. analytic number theory; automorphic forms; elliptic curves.
- 1998 **Muralidhar**, Kambadur, b. 1948, Ph.D. (IISc), FNA, FNASc, Res. No. 303 &-1-69/1/25, Shobhanadri Apartments, DK Road, Ameerpet, Hyderabad 500 016, Mobile: 98109 27705, email: kambadur2015@gmail.com; kambadurmurali2001@rediffmail.com, sp. biochemistry; endocrinology; reproductive biology.

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Year

- 1992 **Murthy**, Mathur Ramabhadraashastry Narasimha, b. 1950, Ph.D. (IISc), FNA, FNASc, FTWAS, Department of Biological Sciences, Indian Institute of Science Education & Research, Thiruvananthapuram; Institute of Bioinformatics & Applied Biotechnology, Biotech Park, Electronic City, Phase I, Bengaluru 560 100, Tel. Res. (080) 2337 2981, Mobile: 99003 13742, email: mbumrn@gmail.com; mrn@ibab.ac.in, sp. macromolecular crystallography; virus structure & assembly; protein structure & function; X-ray diffraction.
- 2004 **Murthy**, Mundur Venkatasubbiah Nagaraja, b. 1953, Ph.D. (Mysore), The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Res. (044) 4286 6364, email: murthymundur@gmail.com, sp. particle physics; phenomenology; quantum statistics; semi-classical methods.
- 2009 **Murty**, Budaraju Srinivasa, b. 1964, Ph.D. (IISc), FNASc, FNAE, FNA, FTWAS, Director, Indian Institute of Technology–Hyderabad, Kandi Sangareddy, Hyderabad 502 285, Tel. Off. (040) 2301 6001, Res. (040) 2301 7245, Mobile: 83310 36001; 94440 77006, Fax (040) 2301 6000, email: bsm@iith.ac.in; director@iith.ac.in, URL: www.mme.iitm.ac.in/murty, sp. high entropy alloys; nanocrystalline materials & bulk metallic glasses; in-situ composites; non-equilibrium processing; atom probe tomography.
- 2002 **Murty**, Sripada Venkata Satyasuryanarayana, b. 1952, Ph.D. (IIT, Kanpur), Res. Flat 3, Gargi Apartments, Lad Society Road, Nehrupark, Vastrapur, Ahmedabad 380 015, Mobile: 90990 21758, email: murty_svs@yahoo.com, sp. early solar system & pre-solar processes; cosmochemistry of nitrogen & noble gases; mass spectrometry & planetary exploration.
- 2002 **Murty**, Thutupalli Gopala Krishna, b. 1944, Ph.D. (Adelaide), Res. 848, 8th B Main, 17th Cross, ISRO Layout, Bengaluru 560 078, Tel. (080) 2686 0808, Mobile: 99011 55660, email: gkmpalli@hotmail.com; murty.tgk@gmail.com, sp. optical engineering; thin film technology; electro-optical instrumentation; atmospheric science technologies.
- 2009 **Murugavel**, Ramaswamy, b. 1964, Ph.D. (IISc), FNA, Department of Chemistry, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7163, Res. (022) 2576 8163, Mobile: 98208 03249, Fax (022) 2572 3480, email: rmv@chem.iitb.ac.in, URL: www.chem.iitb.ac.in/~rmv, sp. inorganic materials chemistry.

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Year
- 1990 **Muthukkaruppan**, Veerappan, b. 1934, Ph.D. (Wisconsin), FNA, Advisor-Research, Aravind Medical Research Foundation, No. 1, Anna Nagar, Madurai 625 020, Tel. Off. (0452) 435 6550, Mobile: 94432 79635, email: muthu@aravind.org; drvrm2002@gmail.com, sp. immunology; angiogenesis in ocular diseases; adult ocular stem cells; genetics of retinoblastoma.
- 1989 **Nadkarni**, Mahendra Ganpatrao, b. 1939, Ph.D. (Brown), FNA, Emeritus Professor, Department of Mathematics, University of Bombay, Vidya Nagari, Kalina, Mumbai 400 098, Tel. Off. (022) 2654 3349, Res. (022) 2444 1093, Mobile: 70390 37959, email: mgnadkarni@gmail.com, sp. ergodic theory; commutative harmonic analysis.
- 1993 **Nadkarni**, Vikas Madhusudan, b. 1947, Ph.D. (Delaware), Managing Director, Techcellence Consultancy Services Private Limited, 5 Pushkaraj, Pushpak Park, Aundh, Pune 411 007, Tel. Off. (020) 2588 1780, Res. (020) 2588 5146, Mobile: 98220 34477, email: drvnmn@ymail.com, URL: www.vikastech.com, sp. polymer science & engineering; materials science; chemical engineering.
- 1992 **Nag**, Kamalaksha, b. 1942, Ph.D. (Calcutta), D.Sc. (h.c.), FNA, Res. B-26, Jayashri Park, Behala, Kolkata 700 034, Tel. (033) 2406 6575, Mobile: 96745 13756, email: kamalakshanag@gmail.com; kniacs@yahoo.com, sp. inorganic chemistry.
- 2010 **Nagaraj**, Donihakalu Shankar, b. 1958, Ph.D. (TIFR), FNASc, FNA, Indian Institute of Science Education and Research–Tirupati, Opp. Sree Rama Engineering College (Transit Campus), Karakambadi Road, Mangalam Post, Tirupati 517 507, Tel. Off. (0877) 250 0400; (0877) 250 0421, Res. (044) 2451 6393, email: dsn@iisertirupati.ac.in; chair-mathematics@iisertirupati.ac.in, URL: <http://www.iisertirupati.ac.in/people/faculty/nagaraj.php>, sp. mathematics; algebraic geometry; vector bundles.
- 1992 **Nagaraj**, Ramakrishnan, b. 1953, Ph.D. (IISc), FNA, FNASc, CSIR–Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2589, Mobile: 98483 03895, email: nraj@csircmb.org; nrajccmb@gmail.com, sp. peptide conformation; membrane biochemistry; host–defence peptides; peptide & protein nanostructures.

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- 1999 **Nagaraja**, Valakunja, b. 1954, Ph.D. (IISc), FNA, FNASc, FTWAS, Department of Microbiology & Cell Biology, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 0668; (080) 2293 2598, Res. (080) 2341 8256, Fax (080) 2360 2697, email: vraj@iisc.ac.in, URL: <http://mcbl.iisc.ac.in/vn/>, sp. protein–nucleic acid interactions; restriction–modification systems; molecular biology of mycobacteria; regulation of gene expression. **Council Service:** 2019–.
- 1974 **Nagarajan**, Kuppuswamy, b. 1930, Ph.D. (Madras), FNA, Corporate Adviser, Hikal Limited, 10, 24th Main, JP Nagar 2nd Phase, Bengaluru; Res. Block 1, Flat 007, Serene Urbana, Inside Ozone Urbana, Kannamangala, Bengaluru 562 110, Tel. Off. (080) 3023 6212/9212, Res. (080) 2679 8227, Mobile: 98867 13958, Fax (080) 2658 4302, email: dkn69@yahoo.com; k_nagarajan@hikal.com, sp. natural products; medicinal, pesticide & synthetic heterocyclic chemistry; applications of NMR to structure & reactivity.
- 2001 **Nagarajan**, Radhakrishnan, b. 1942, B.Sc. (Hons), FNA, FNASc, Emeritus Professor, UM-DAE Centre for Excellence in Basic Sciences, Mumbai; Res. 303, Dnyaneshwar, off D. Gaikwad Road (near Tambe Nagar Jain Temple), Mulund (West), Mumbai 400 080, Mobile: 93223 70689, email: nagjan2006@gmail.com; nagarajan@cbs.ac.in, sp. superconductivity; magnetism; heavy fermion behaviour; Mössbauer spectroscopy; instrumentation; cryogenics.
- 2004 **Nageswara Rao**, Gullapalli, b. 1945, MD (Ophthal.) (AIIMS), D.Sc. (h.c.), D. Med., FAMS, FACS, FRCS, FNASc, Chair - LV Prasad Eye Institute, LV Prasad Marg, Banjara Hills, Hyderabad 500 034, Tel. Off. (040) 3061 2609, email: gnrao@lvpei.org, sp. cornea; community eye health; eye care policy & planning.
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- 1999 **Nair**, Gopalan Vijayakumaran, b. 1941, Ph.D. (Banaras & British Columbia), Honorary Scientist, Organic Chemistry Section, CSIR–National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram 695 019, Tel. Off. (0471) 249 0406, Mobile: 98950 41707, email: vijaynair.tvm@gmail.com; vijaynair_2001@yahoo.com, sp. synthetic organic chemistry; heterocyclic chemistry; organocatalysis.
- 2012 **Nair**, Gopinath Balakrish, b. 1954, Ph.D. (Annamalai), FNASc, FNA, FTWAS, Honorary Distinguished Professor, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram 695 014, Tel. Off. (0471) 252 9400, Res. (0471) 243 3857, Mobile: 99998 29379, email: gbnair@rgcb.res.in; gbnair_2000@yahoo.com, sp. clinical microbiology; molecular epidemiology; diarrhoeal diseases.

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Year
- 2020 **Namboothiri**, Irishi Narayanan Narayanan, b. 1964, Ph.D. (IISc), FNASc, Department of Chemistry, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7196, Res. (022) 2576 8196, Mobile: 99699 60735, Fax (022) 2576 7152, email: irishi@iitb.ac.in, URL: <http://www.chem.iitb.ac.in/~irishi>, sp. synthetic & physical organic chemistry.
- 2009 **Nandi**, Arun Kumar, b. 1955, Ph.D. (Jadavpur), Senior Professor, Polymer Science Unit, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1561, Res. (033) 2435 1340, Fax (033) 2473 2805, email: psuakn@iacs.res.in, sp. polymer crystallization & gelation; polymer blends & hybrids; polymer nanocomposites; supramolecular polymers.
- 2018 **Nandicoori**, Vinay Kumar, b. 1969, Ph.D. (IISc), FNASc, Staff Scientist VII, Signal Transduction Laboratory 1, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2670 3789, Res. (011) 2670 3790, Mobile: 98914 97516, Fax (011) 2674 2125, email: vinaykn@nii.ac.in, URL: <http://www.nii.res.in/research/vinay-k-nandicoori>, sp. molecular & cellular biology; cell signaling & cell biology.
- 2008 **Nangia**, Ashwini, b. 1960, Ph.D. (Yale), FNA, FNASc, FRSC, School of Chemistry, University of Hyderabad, Hyderabad; Director, CSIR–National Chemical Laboratory, Pune 411 008, Tel. Off. (040) 2313 4854; (020) 2590 2260, Res. (040) 2332 7570; (020) 2590 2480, Mobile: 98481 55416, Fax (040) 2301 2460, email: ashwini.nangia@gmail.com; ak.nangia@ncl.res.in, sp. crystal engineering; supramolecular chemistry; polymorphism.
- 2019 **Nanjundiah**, Ravi Shankar, b. 1961, Ph.D. (IISc), Director, Indian Institute of Tropical Meteorology, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 4202, Res. (020) 2590 4500, Mobile: 94499 87293; 78878 58485, Fax (020) 2586 5142, email: ravisn@tropmet.res.in; ravi@iisc.ac.in, URL: https://www.tropmet.res.in/118-Ravi%20Shankar%20Nanjundiah-scientist_detail, sp. monsoon studies using climate models; application of HPC/grid computing for climate & weather studies; machine learning for monsoon prediction & downscaling.
- 1984 **Nanjundiah**, Vidyand, b. 1947, Ph.D. (Chicago), Centre for Human Genetics, Electronic City (Phase I), Bengaluru 560 100, Tel. Off. (080) 2852 1831, Res. (080) 2667 0631, email: vidyan@alumni.iisc.ac.in, sp. developmental biology; evolution. **Council Service:** 2004–09.

Elected
Year

- 1995 **Naqvi**, Syed Wajih Ahmad, b. 1954, Ph.D. (Pune), FNA, FNASc, FTWAS, Distinguished Scientist, Council of Scientific and Industrial Research, Anusandhan Bhavan, 2 Rafi Marg, New Delhi 110 001, Tel. Off. (011) 2347 0222, Mobile: 96433 14093, email: wajih_naqvi@yahoo.com, sp. chemical oceanography; palaeo-oceanography; aquatic biogeochemistry; global change.
- 2009 **Narahari**, Yadati, b. 1959, Ph.D. (IISc), FNASc, FNAE, FIEEE, FNA, Department of Computer Science & Automation, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2773, Res. (080) 2331 0265, Fax (080) 2360 2911, email: narahari@iisc.ac.in, URL: <http://lcm.csa.iisc.ernet.in/hari>, sp. game theory & mechanism design; machine learning; design of auctions and markets.
- 620
- 1987 **Narain**, Prem, b. 1934, Ph.D. & D.Sc. (Edinburgh), FNA, FNASc, FNAAS, Res. 29278, Glen Oaks Blvd. W., Farmington Hills, MI 48334-2932, USA, email: premn877@gmail.com, sp. statistical genetics & statistics.
- 1973 **Narasimha**, Roddam, b. 1933, B.E., Ph.D. (Caltech), FNA, FNASc, FRS, FTWAS, Foreign Assoc., Foreign Hon. Member, AAAS, US Natl.Acad. Engg. & US Natl. Acad. Sci., Honorary Professor, Engineering Mechanics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2999, Res. (080) 2341 2705, Fax (080) 2208 2951, email: roddam@alumni.iisc.ac.in, URL: <http://www.jncasr.ac.in/roddam/>, sp. aerospace engineering; fluid mechanics; atmospheric science & technology policy. **Council Service**: 1977–97; Secretary: 1980–85; Vice-President: 1986–91; President: 1992–94.
- 1984 **Narasimham**, Vemuri Syamala, b. 1937, Ph.D. (Bombay), FNASc, Res. 202, Vigyan, Plot 23, Sector 17, Vashi, Navi Mumbai 400 703, Tel. (022) 2766 6155, Mobile: 98197 14541, email: narasimham.vemuri@gmail.com, sp. cosmic ray physics; particle physics.
- 1970 **Narasimhan**, Mudumbai Seshachalu, b. 1932, Ph.D. (Bombay), FNA, FNASc, FRS, Honorary Fellow, Tata Institute of Fundamental Research, Mumbai; Res. 9, Guruparadise Apartments, 24, 4th Main Road, Amarjyothi Layout, Sanjaynagar, Bengaluru 560 094, Tel. Off. & Fax (080) 2360 5390, Res. (080) 2351 8865, Mobile: 98864 81457, email: narasim@math.tifrbng.res.in, sp. algebraic & differential geometry & analysis. **Council Service**: 1977–82; Vice-President: 1980–82.

- Elected
Year
- 2000 **Narasimhan**, Ramarathnam, b. 1960, Ph.D. (Caltech), FNA, FNAE, Department of Mechanical Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2959, Res. (080) 2341 9667, Fax (080) 2360 0683, email: narasi@iisc.ac.in, sp. fracture mechanics; computational solid mechanics.
- 2010 **Narayan**, Kavassery Sureswaran, b. 1964, Ph.D. (Ohio State), FNASc, FNA, Chemistry & Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2822, Res (080) 23511402, Fax (080) 2208 2766, email: narayan@jncasr.ac.in, sp. organic/polymer electronics; device physics; bioelectronics; photovoltaics.
- 2018 **Narayana**, Chandrabhas, b. 1965, Ph.D. (IISc), FRSC, FNASc, Dean Research and Development, Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2810, Res. (080) 2362 9016, Mobile: 94486 82721, Fax (080) 2208 2766, email: cbhas@jncasr.ac.in, URL: <http://www.jncasr.ac.in/cbhas>, sp. condensed matter physics; light scattering in materials; high pressure research; nano-biotechnology.
- 1974 **Narayanamurti**, Venkatesh, b. 1939, Ph.D. (Cornell), Benjamin Peirce Research Professor of Technology and Public Policy, Harvard University, Pierce Hall 107D, 29 Oxford Street, Cambridge, Massachusetts 02138, USA, Tel. Off. (+1-617) 384 8211, Res. (+1-774) 408 7641, Fax (+1-617) 496 5264, email: venky@seas.harvard.edu, sp. solid state; nanoscience; electronic materials; science policy.
- 2020 **Narayanan**, Rishikesh, b. 1974, Ph.D. (IISc), Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3372, Mobile: 95350 22420, Fax (080) 2360 0535, email: rishi@iisc.ac.in, URL: <http://mbu.iisc.ac.in/~rngpr/>, sp. cellular neurophysiology; computational neuroscience; neural coding & plasticity.
- 1988 **Narlikar**, Anant Vishnu, b. 1940, Ph.D. (Cantab), Sc.D. (Cantab), FNA, FNASc, Res. No. 211-212, Peace Point Colony (Behind Queens College, Khandwa Road), Limbodi, Indore 452 001, email: narlikar@yahoo.com, sp. superconductivity; low temperature physics; STM & related techniques.
- 630
- 1974 **Narlikar**, Jayant Vishnu, b. 1938, Sc.D. (Cantab), FNA, FNASc, FTWAS, Emeritus Professor, Inter-University Centre for Astronomy & Astrophysics, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4100, Res. (020) 2588 1150, Mobile: 94235 22142, Fax (020) 2560 4698-99, email: jvn@iucaa.in, sp. cosmology; general relativity; gravitation. **Council Service:** 1986–88.

Elected
Year

- 1993 **Natarajan**, Kootalai Ananthaiyer, b. 1942, Ph.D. (Minnesota), D.Sc. (IISc), FNASc, FNAE, NASI Honorary Scientist and Emeritus Professor, Department of Materials Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2679, Res. (080) 2364 6499, Mobile: 98802 50091, Fax (080) 2360 0472, email: kan@iisc.ac.in, sp. mineral processing; hydrometallurgy; biomineral technology; corrosion engineering.
- 2009 **Natarajan**, Srinivasan, b. 1960, Ph.D. (Madras), FNASc, FNA, Framework Solids Laboratory, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2551, Res. (080) 2341 7591, Mobile: 94489 37430, Fax (080) 2360 1310, email: snatarajan@iisc.ac.in; rajan1960@gmail.com, sp. inorganic materials chemistry; solid state chemistry.
- 1981 **Nath**, Girishwar, b. 1932, Ph.D. (Budapest), Res. c/o Dr S.K. Sinha, Type IV/17, KNIT Campus, Kamala Nehru Institute of Technology, Sultanpur 228 118, sp. fluid mechanics; magneto-hydrodynamics; turbomachines.
- 2019 **Nath**, Utpal, b. 1965, Ph.D. (NCBS), FNASc, FNA, Department of Microbiology & Cell Biology, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2414; (080) 2293 3606, Res. (080) 4114 8064, Mobile: 94489 70438, Fax (080) 2293 2697, email: utpalnath@iisc.ac.in, URL: <http://mcbl.iisc.ac.in/utpal-nath.html>, sp. organ morphogenesis; developmental biology; plant biology.
- 2010 **Navalgund**, Ranganath Ramarao, b. 1948, Ph.D. (TIFR), Res. Esteem Gardenia Apartments, Dahlia 201, Sahakara Nagar, Bengaluru 560 092, Tel. (080) 2362 0682, Mobile: 99000 36229, email: navalrr@gmail.com, sp. remote sensing; space applications; magnetic resonance.
- 1988 **Nayak**, Nabeen Chandra, b. 1931, MD (Lucknow), FRCPath., FNA, FAMS, Adviser, Department of Pathology, Sir Ganga Ram Hospital, New Delhi; Emeritus Professor of Pathology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Mobile: 90138 20308, email: dr_ncnayak@yahoo.com, sp. pathology; oncology; liver diseases.
- 2014 **Nayak**, Shailesh, b. 1953, Ph.D. (Baroda), Director, National Institute of Advanced Studies, Indian Institute of Science Campus, Bengaluru 560 012, Tel. Off. (080) 2360 1969, Res. (080) 2973 0098, Mobile: 98682 62969, email: director@nias.res.in; shailesh@nias.res.in, sp. remote sensing; coastal & ocean processes; oceanography; science diplomacy.

- Elected
Year
- 2013 **Nayak**, Tapan Kumar, b. 1958, Ph.D. (Michigan State), FNASc, ALICE Collaboration, CERN, Switzerland; Visiting Professor, National Institute of Science Education and Research, Jatni P.O., Khurda 752 050, Mobile: (+41-75) 411 2171, email: Tapan.Nayak@cern.ch, URL: <http://nayak.web.cern.ch>, sp. nuclear and high energy physics experiments; phases of nuclear matter; QCD phase transition and quark gluon plasma (QGP).
- 1989 **Niazi**, Iqbal Ahmad, b. 1928, Ph.D. (McGill), FNASc, Res. D2/2276, Vasant Kunj, New Delhi 110 070, Tel. (011) 2613 2371, Mobile: 98101 78979, email: iqbalaniazi@gmail.com, sp. developmental biology of animals & regeneration.
- 640
- 2001 **Nitsure**, Nitin, b. 1957, Ph.D. (Bombay), School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2247, Res. (022) 2280 4751, Fax (022) 2280 4610, email: nitsure@math.tifr.res.in, sp. algebraic geometry.
- 2009 **Nityanand**, Soniya, b. 1962, MD (Lucknow), Ph.D. (Karolinska), FNASc, Head, Department of Hematology, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Rae Bareilly Road, Lucknow 226 014, Tel. Off. (0522) 266 8700; (0522) 266 8800, Res. (0522) 278 8587, Mobile: 94150 18833, Fax (0522) 266 8017, email: soniya@sgpgi.ac.in; soniya_nityanand@yahoo.co.in, sp. immunology; haematology.
- 1986 **Nityananda**, Rajaram, b. 1948, Ph.D. (Bangalore), FNA, FNASc, Res. B-701, Mahaveer Riviera, JP Nagar 7th Phase, Bengaluru 560 078, Mobile: 96117 89391, email: rajaram.nityananda@apu.edu.in; rajaram.nityananda@gmail.com, sp. optics; statistical physics; astronomy; physics education. **Council Service:** 1989–94.
- 1987 **Nori**, Madhav Vithal, b. 1949, Ph.D. (Bombay), FNA, Department of Mathematics, University of Chicago, 5734, South University Avenue, Chicago, IL 60637, USA, Tel. Off. (+1-773) 702 7327, Res. (+1-773) 684 1498, Fax (+1-773) 702 9787, email: nori@math.uchicago.edu, sp. algebraic geometry.
- 1992 **Ogale**, Satishchandra Balkrishna, b. 1953, Ph.D. (Pune), FNASc, Department of Physics & Centre for Energy Science, Indian Institute of Science Education and Research–Pune, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8292, Res. (020) 2543 5200; (020) 2544 2912, Mobile: 98226 28242, email: satishogale@iiserpune.ac.in; satishogale@gmail.com, sp. clean energy harvesting & storage; nanoscience & nanotechnology; metal oxide thin films & spintronics.

Elected
Year

- 2015 **Ojha**, Devendra Kumar, b. 1967, Ph.D. (Strasbourg), Department of Astronomy & Astrophysics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2684, Res. (022) 2280 4969, Mobile: 98672 06969, Fax (022) 2280 4610-11, email: ojha@tifr.res.in, URL: <http://web.tifr.res.in/~ojha/>, sp. infrared astronomy; star formation & interstellar medium; astronomical instrumentation.
- 1984 **Padmanaban**, Govindarajan, b. 1938, Ph.D. (IISc), FNA, FNASc, FTWAS, NASI Senior Scientist, Department of Biochemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. & Fax (080) 2360 1492; (080) 2293 2540, Res. (080) 2334 2223, email: geepee@alumni.iisc.ac.in, sp. molecular biology; recombinant DNA; malarial parasite. **Council Service:** 1986–88, 1992–97; Vice-President: 1992–97.
- 1994 **Padmanabhan**, Kuppuswamy Anantha, b. 1945, Ph.D. & Sc.D. (Cantab), FNASc, FNAE, Professor of Eminence, Anna University, Chennai; Member, Research & Innovation Advisory Board, TCS, Chennai; Adviser, Aditya Birla S&T Company, Phase 2, Block A, IIT-Madras Research Park, Kanagam Road, Taramani, Chennai 600 113, Tel. Off. (044) 6616 0005, Res. (044) 2243 2373, Fax (044) 2235 7744, Mobile: 80087 77664, email: ananthaster@gmail.com; kap@annauniv.edu, URL: <http://home.iitk.ac.in/~kap>, sp. mechanical metallurgy; metal forming; plasticity & superplasticity; nanotechnology/nanostructured materials.
- 1992 **Padmanabhan**, Thanu, b. 1957, Ph.D. (TIFR), FNA, FNASc, FTWAS, Distinguished Professor, Inter-University Centre for Astronomy & Astrophysics, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4106; (020) 2560 4100, Res. (020) 2569 2922, Fax (020) 2560 4699, email: paddy@iucaa.in; nabhan@iucaa.in, URL: www.iucaa.ernet.in/~paddy/, sp. gravitation; quantum theory; cosmology; structure formation. **Council Service:** 2013–15.
- 1979 **Pai**, Mangalore Anantha, b. 1931, Ph.D. (UC Berkeley), FNA, FNAE, FIEEE, Emeritus Professor, Department of Electrical & Computer Engineering, University of Illinois, Urbana, IL 61801, USA, Tel. Off. (+1-217) 344 0977, Mobile: (+1-217) 417 9725, email: mapai@illinois.edu, sp. power systems: stability, control & computation; smart grid.

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Elected
Year

- 2010 **Pal**, Amlan Jyoti, b. 1960, Ph.D. (Jadavpur), FNAE, FNA, FNASc, JC Bose National Fellow, Senior Professor, Department of Physical Sciences, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1313, Res. (033) 2416 0502, Mobile: 94330 59564, Fax (033) 2473 2805, email: sspajp@iacs.res.in, URL: <http://iacs.res.in/faculty-profile.html%20%20id=73>, sp. organic electronics; scanning tunneling; spectroscopy; photovoltaics; device physics; organic spintronics.
- 2012 **Pal**, Arup Kumar, b. 1968, Ph.D. (ISI, Delhi), Theoretical Statistics & Mathematics Unit, Indian Statistical Institute, 7, SJS Sansanwal Marg, New Delhi 110 016, Tel. Off. (011) 4149 3921, Fax (011) 4149 3981, email: arupkpal@gmail.com; arup@isid.ac.in, URL: <http://www.isid.ac.in/~arup/>, sp. operator algebras; non-commutative geometry; quantum groups.
- 1994 **Pal**, Gaya Prasad, b. 1950, MS (Indore), D.Sc. (S. Gujarat), FNASc, FAMS, Emeritus Professor, MGM Medical College, Indore; Head, Department of Anatomy, Index Medical College, Indore 452 001, Mobile: 94254 96354, email: gp_pal50@rediffmail.com, sp. human anatomy; clinical anatomy; biomechanics of spine.
- 1996 **Pal**, Sankar Kumar, b. 1950, Ph.D. (Calcutta & London), FNA, FNASc, FNAE, FTWAS, FIEEE, INSA Distinguished Professor Chair and Distinguished Scientist, Soft Computing Research Center, Indian Statistical Institute, 203, B.T. Road, Kolkata 700 108, Tel. Off. (033) 2575 2041; (033) 2575 2040, Res. (033) 2577 2030; (033) 2464 8775, Mobile: 98311 01500, Fax (033) 2578 8699; (033) 2578 3357, email: sankar@isical.ac.in; sankarpal@yahoo.com, URL: <http://www.isical.ac.in/~sankar>, sp. pattern recognition & machine learning; image processing; data mining; soft computing; granular mining; machine-mind development; web intelligence; computing with words; bioinformatics; social network analysis; safety analytics.
- 1996 **Pal**, Sourav, b. 1955, Ph.D. (Calcutta), FNASc, FNA, Director, Indian Institute of Science Education and Research–Kolkata, Mohanpur 741 246, Tel. Off. (033) 6634 0012, Res. (033) 6634 0013, Mobile: 98903 35662, Fax (033) 2502 8002, email: s.pal@iiserkol.ac.in; spal@chem.iitb.ac.in, URL: <http://www.iiserkol.ac.in/people/faculty/dcs/s-pal>, sp. electronic structure theory; *ab initio* quantum chemistry; chemical reactivity; *ab initio* molecular dynamics.

Elected
Year

- 2004 **Palaniandavar**, Mallayan, b. 1951, Ph.D. (MKU), FNA, Department of Chemistry, Bharathidasan University, Tiruchirappalli; Res. 10, Gokulam Colony, Khajamalai, Tiruchirappalli 620 023, Tel. (0431) 245 7510, Mobile: 94436 44758, email: palanim51@yahoo.com; palaniandavarm@gmail.com, sp. bioinorganic chemistry; activation of molecular oxygen; functional models for metallo-proteins; interaction of metal complexes with DNA and proteins; metal-based anticancer drugs.
- 2007 **Palit**, Dipak Kumar, b. 1957, Ph.D. (Bombay), FNA, FNASc, Emeritus Professor, UM-DAE Centre for Excellence in Basic Sciences, Mumbai; Res. Flat No. B22-03, Neptune Building, Suncity Housing Complex, A S Marg, Powai, Mumbai 400 076, Tel. Res. (022) 2578 4128, Mobile: 99691 49589, email: palitdk@gmail.com; dkpalt@cbs.ac.in, sp. ultrafast spectroscopy; photo & radiation chemistry; chemical reaction dynamics in condensed phase.
- 1988 **Panchapakesan**, Natarajan, b. 1933, Ph.D. (Delhi), Res. K-110, Ground Floor, Hauz Khas, New Delhi 110 016, Tel. (011) 2656 1358, Mobile: 88519 28490, email: nargispanchu@gmail.com, sp. general relativity; cosmology; astroparticle physics; black hole physics; science education.
- 2008 **Panda**, Dulal, b. 1964, Ph.D. (Jadavpur), FNASc, FNA, JC Bose National Fellow, Chair Professor, Department of Biosciences & Bioengineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7838, Res. (022) 2572 0281, Mobile: 98203 91591, Fax (022) 2572 3480, email: panda@iitb.ac.in, sp. biochemistry; cell biology; biophysics.
- 1995 **Panda**, Subrat Kumar, b. 1954, MD (Path.) (AIIMS), FNA, Department of Pathology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 4924; (011) 2659 3493, Res. (011) 2658 8915; (011) 2658 8916, Mobile: 98104 77853, Fax (011) 2658 8663, email: pandask@hotmail.com; subrat@gmail.com, sp. liver pathology; viral hepatitis, molecular biology/virology.
- 660
- 2017 **Panda**, Sudhakar, b. 1959, Ph.D. (Utkal), FNA, FNASc, JC Bose National Fellow, Director, National Institute of Science Education and Research, Jatni P.O., Khurda 752 050, Tel. Off. (0674) 249 4001-02, Res. (0674) 249 4500, Mobile: 94375 59215, Fax (0674) 249 4004, email: panda@niser.ac.in, URL: <https://www.niser.ac.in/users/panda#profile-main>, sp. high energy physics; string theory; string cosmology; quantum field theory.

Elected
Year

- 2016 **Pandey**, Daya Shankar, b. 1961, Ph.D. (IIT, Kanpur), FNASc, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 670 2480, Res. (0542) 236 8500, Mobile: 94509 60400, Fax (0542) 236 8127, email: dspbhu@bhu.ac.in, sp. co-ordination chemistry; organo-metallic chemistry; bio-inorganic chemistry.
- 2000 **Pandey**, Dhananjai, b. 1952, Ph.D. (Banaras), FNA, FNASc, JC Bose National Fellow, School of Materials Science and Technology, Indian Institute of Technology–BHU, Banaras Hindu University Campus, Varanasi 221 005, Tel. Off. (0542) 236 8106; (0542) 670 2078, Res. (0542) 231 4658, Mobile: 94530 48510, Fax (0542) 236 8428, email: dpandey_bhu@yahoo.co.in, sp. condensed matter physics; materials science; crystallography; structural phase transitions; ferroics & multiferroics.
- 1993 **Pandey**, Ganesh Prasad, b. 1954, Ph.D. (Banaras), FNA, FNASc, Distinguished Professor, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi 221 005, Mobile: 99701 71802, email: ganesh.pandey1@bhu.ac.in; gp8577@gmail.com, sp. organic synthesis.
- 1997 **Pandey**, Prem Chand, b. 1945, Ph.D. (Allahabad), D.Sc (h.c.), FNASc, Visiting Professor, Center for Oceans, Rivers, Atmosphere and Land Sciences (CORAL), Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 1834, Mobile: 87638 65350, email: pcpandey@coral.iitkgp.ernet.in; pcpandey45@yahoo.co.in, sp. satellite oceanography; atmospheric sciences; climate change; polar research.
- 1985 **Pandian**, Thavamani Jegajothivel, b. 1939, Ph.D. (Madras), Dr. rer. nat. (Kiel, Germany), D.Sc. (CIFE, Mumbai), FNA, FNASc, FNAAS, FTWAS, Res. 9, Old Natham Road, Opp. Balamandiram, Madurai 625 014, Tel. (0452) 264 0139, Mobile: 98421 64130, email: tjpandian16@gmail.com, sp. genetics: aquaculture.
- 2008 **Pandit**, Aniruddha Bhalchandra, b. 1957, Ph.D. (Bombay), FTWAS, FNAE, FNA, FNASc, Vice Chancellor, Institute of Chemical Technology, N.P. Marg, Matunga, Mumbai 400 019, Tel. Off. (022) 3361 1111-2, Res. (022) 2430 2660, Mobile: 98204 08037, Fax (022) 3361 1020, email: dr.pandit@gmail.com; ab.pandit@ictmumbai.edu.in, sp. design of multiphasereactors; cavitation phenomena; environmental & energy engineering.

Elected
Year

- 1996 **Pandit, Rahul**, b. 1956, Ph.D. (Illinois), FNA, FTWAS, Chairman, Division of Physical and Mathematical Sciences and Professor, Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2863; (080) 2293 2249, Res. (080) 2664 7689, Mobile: 98452 30684, Fax (080) 2360 2602, email: rahul@iisc.ac.in, sp. statistical mechanics of phase transitions; condensed matter theory; spatiotemporal chaos and turbulence in fluids, plasmas and in mathematical models for cardiac tissue.
- 2012 **Pani, Amiya Kumar**, b. 1957, Ph.D. (IIT, Kanpur), FNASc, Institute Chair Professor, Department of Mathematics, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7481, Res. (022) 2576 8481, Mobile: 97696 97481, Fax (022) 2572 3480, email: akp@math.iitb.ac.in, sp. numerical analysis; partial differential equations; industrial mathematics.
- 2009 **Parameswaran, Aryampilly Jayanthan**, b. 1962, Ph.D. (Bombay), FNA, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2222, Mobile: 94464 29164; 90041 99416, Fax (022) 2280 4610, email: param@math.tifr.res.in; param_aj@yahoo.com, sp. algebraic geometry: singularity theory; vector bundles.
- 670
- 1997 **Paranjape, Kapil Hari**, b. 1960, Ph.D. (Bombay), FNA, FNASc, FTWAS, JC Bose National Fellow, Indian Institute of Science Education and Research–Mohali, Sector 81, Knowledge City, Manauli P.O., SAS Nagar 140 306, Tel. Off. (0172) 259 3110, Mobile: 99152 69019, Fax (0172) 224 0266, email: kapil@iisermohali.ac.in; kapil.paranjape@gmail.com, URL:www.imsc.res.in/~kapil, sp. algebraic geometry; topology; differential geometry. **Council Service:** 2016–.
- 1975 **Paranjpe, Pramod Anand**, b. 1934, D.Sc. Tech. (ETH, Zurich), Res. Bahaar, 5 Hindustan Estate, Road No. 13, Kalyaninagar, Pune 411 006, Tel. (020) 2668 0255, Mobile: 98223 95771, email: pramwana@gmail.com, sp. turbomachinery; jet propulsion technology.
- 1988 **Parimala, Raman**, b. 1948, Ph.D. (Bombay), FNA, FNASc, Arts and Sciences Distinguished Professor, Department of Mathematics & Computer Science, Emory University, 400 Dowman Drive W 401, Atlanta, GA 30322, USA, Tel. Off. (+1-404) 727 7577, Res. (+1-404) 444 8870, Fax (+1-404) 727 5611, email: parimala@mathcs.emory.edu, sp. algebra.

Elected
Year

- 2008 **Parnaik**, Veena Krishnaji, b. 1953, Ph.D. (Ohio State), FNA, Res. 103, Vinay Vihar, Street No. 11, Tarnaka, Hyderabad 500 017, Mobile: 98850 86220, email: veenap@csirccmb.org; veenaparnaik@gmail.com, sp. cell biology; molecular biology; lamins and nuclear organisation.
- 1974 **Parthasarathy**, Kalyanapuram Rangachari, b. 1936, Ph.D. (Calcutta), FNA, FNASc, FTWAS, Emeritus Professor, Indian Statistical Institute, 7, SJS Sansanwal Marg, New Delhi 110 016, Tel. Off. (011) 4149 3923; (011) 4149 3901, Res. (011) 4984 6959, Fax (011) 4149 3981, email: krp@isid.ac.in, sp. probability theory; group representations; quantum probability; quantum computing & information.
- 1982 **Parthasarathy**, Rajagopalan, b. 1945, Ph.D. (Bombay), D.Sc. (h.c.), FNA, FNASc, Res. Villa B-75, Ananya's Nana Nani Homes, Phase 3, Dhaliyur, Thondamuthur P.O., Coimbatore 641 109, Mobile: 95002 33213, email: sarathy.math.tifr@gmail.com, sp. representations of semi-simple Lie groups; topological dynamical systems.
- 1988 **Parthasarathy**, Thiruvengkatachari, b. 1941, Ph.D. (ISI, Calcutta), FNA, INSA Senior Scientist, SQC/OR Unit, Indian Statistical Institute, 37/110, Nelson Manikham Road, Chennai 600 029, Tel. Off. (044) 2374 0612; (044) 2374 0218, Res. (044) 2224 3130, Fax (044) 2374 0256, email: pacha14@yahoo.com, sp. mathematical theory of games; operations research; global univalence.
- 1984 **Parulkar**, Gurukumar Bhalchandra, b. 1931, MS (Mumbai), FAMS, Director, Wockhardt Hospitals, Mumbai; Res. Flat 31, Building 4, Haji Ali Government Colony, K K Marg, Mumbai 400 034, Tel. (022) 2353 6546, Mobile: 98202 89391, email: gurukumar@gmail.com, sp. open heart surgery; extracorporeal circulation; coronary bypass surgery; vascular surgery.
- 1986 **Passi**, Inder Bir Singh, b. 1939, Ph.D. (Exon), FNA, FNASc, Emeritus Professor, Department of Mathematics, Panjab University, Chandigarh & Honorary Professor, IISER, Mohali; Res. 381, Sector 38A, Chandigarh 160 014, Tel. Res. (0172) 466 8381, Mobile: 98724 48638, email: ibspassi@yahoo.co.in; passi@pu.ac.in, sp. algebra.
- 1988 **Pasupathy**, Jagadisan, b. 1940, Ph.D. (Rochester), Res. 3286, 12th Main Road, HAL II Stage, Bengaluru 560 008, Tel. (080) 2525 1592, Mobile: 99028 59450, email: jphome@gmail.com, sp. theoretical physics.

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Year

- 2018 **Patel**, Bhisma Kumar, b. 1965, Ph.D. (IIT, Kanpur), FNASc, Department of Chemistry, Indian Institute of Technology–Guwahati, Guwahati 781 039, Tel. Off. (0361) 258 2307, Res. (0361) 258 4307, Mobile: 99540 90963, Fax (0361) 258 2349, email: patel@iitg.ac.in, URL: <http://www.iitg.ac.in/patel/>, sp. organic synthesis; reaction mechanisms; green chemistry.
- 1993 **Pathak**, Kare Narain, b. 1941, Ph.D. (IIT, Kanpur), FNASc, FNA, Professor Emeritus, Panjab University, Chandigarh; Res. 382, Sector 38A, Chandigarh 160 036, Tel. Off. (0172) 253 4467, Res. (0172) 269 9944, Mobile: 99883 60009, Fax (0172) 278 3336, email: pathak@pu.ac.in; knpathak26@gmail.com, sp. condensed matter physics.
- 2015 **Pathak**, Tanmaya, b. 1958, Ph.D. (Uppsala), Department of Chemistry, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 3342, Res. (03222) 28 3343; (03222) 27 9901, Mobile: 94347 15239, Fax (03222) 28 2252, email: tpathak@chem.iitkgp.ac.in, URL: <http://www.iitkgp.ac.in/department/CY/faculty/cy-tpathak#resp-tab4>, sp. synthetic organic chemistry; nucleoside & carbohydrate modification; enzyme inhibition.
- 2013 **Pati**, Arun Kumar, b. 1966, Ph.D. (Bombay), FNASc, Professor H, Quantum Information and Computation Group, Physics Division, Harish-Chandra Research Institute, Chhatnag Road, Jhunsi, Prayagraj 211 019, Tel. Off. (0532) 227 4391, Mobile: 87566 12314, Fax (0532) 256 9576; (0532) 256 7444, email: akpati@hri.res.in, URL: www.hri.res.in/~akpati/, sp. quantum information theory; quantum computing; foundations of quantum theory.
- 2010 **Pati**, Swapan Kumar, b. 1968, Ph.D. (IISc), FNASc, FTWAS, FNA, Theoretical Sciences Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2839, Res. (080) 2363 5445, Mobile: 94485 60474, Fax (080) 2208 2767, email: pati@jncasr.ac.in; swapan.jnc@gmail.com, URL: www.jncasr.ac.in/pati/, sp. low-dimensional dipolar Fermionic & Bosonic systems; optimization of charge carrier mobility; thermoelectric & photovoltaic behavior in extended systems; frustrated Lewis pair catalysis & heterogeneous catalysis; Na/Mg-ion battery & super-capacitors; Einsteins D/Mu ratio in quantum limit; quantum many-body methods development.

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Year
- 1988 **Patnaik**, Lalit Mohan, b. 1946, Ph.D. & D.Sc. (IISc), FNA, FNASc, FNAE, FTWAS, FIEEE, INSA Honorary Scientist & Adjunct Professor, Consciousness Studies Programme, National Institute of Advanced Studies, Indian Institute of Science campus, Bengaluru 560 012, Tel. Res. (080) 2360 2635, email: patnaiklm@alumni.iisc.ac.in; lalitblr@gmail.com, URL: www.lmpatnaik.in, sp. computer science & engineering; information technology; electronics.
- 2019 **Patnaik**, Rajeev, b. 1964, Ph.D. (Panjab), Centre of Advanced Study in Geology, Panjab University, Chandigarh 160 014, Tel. Off. (0172) 253 4250, Res. (0172) 254 3526, Mobile: 98151 04094, Fax (0172) 254 5459, email: rpatnaik@pu.ac.in; rajeevpatnaik@gmail.com, URL: <http://geology.puchd.ac.in/show-biodata.php?qstremid=588&qstremdesigcode=8>, sp. vertebrate evolution & palaeoecology; geological context of primate/human evolution; impact of climate change on evolution.
- 2010 **Patra**, Amit Kumar, b. 1966, Ph.D. (S.V. Univ.), FNA, Director, National Atmospheric Research Laboratory, Post Box No 123, Tirupati 517 502, Tel. Off. (08585) 27 2001, Mobile: 99596 71098; 79936 95555, Fax (08585) 27 2021, email: akpatra@narl.gov.in, sp. ionospheric electrodynamics & plasma instabilities; space weather; radar probing techniques.
- 2016 **Patra**, Amitava, b. 1965, Ph.D. (Jadavpur), FNASc, FRSC, Senior Professor, School of Materials Sciences, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971, Res. (033) 2484 4124, Mobile: 94334 79982, Fax (033) 2483 6561, email: msap@iacs.res.in; amitavapatra.patna@gmail.com, URL: <http://iacs.res.in/faculty-profile.html%20%20id=44#>, sp. nanoscience; spectroscopy; photophysics.
- 1995 **Patwardhan**, Vilas Shridhar, b. 1947, Ph.D. (Purdue), FNAE, Res. 3, Vibha Heights, Sanewadi, Baner Road, Aundh, Pune 411 007, Tel. Off. (020) 2588 2058, Res. (020) 2588 2058, email: vspatw@gmail.com, sp. computer simulation; mathematical modelling; optimization; multiphase reactions; software development; spreadsheet programming.
- 690
- 2020 **Paul**, Aloke, b. 1973, Ph.D. (Eindhoven Univ. Tech., Netherlands), Department of Materials Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3242, Mobile: 94807 98448, email: aloke@iisc.ac.in; aloke.paul@gmail.com, URL: <https://sites.google.com/view/alokepaul/>, sp. diffusion in solids; phase transformation; microstructure.

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Year
- 2016 **Paul**, Vinod Kumar, b. 1955, MD, Ph.D. (AIIMS), FAMS, FNASc, FNA, Member, NITI Aayog, Sansad Marg, New Delhi 110 001, Tel. Off. (011) 2309 6809, Res. (011) 2658 9702, Mobile: 98110 42437, email: vinodkpaul@gmail.com, sp. paediatrics; newborn health.
- 2000 **Pental**, Deepak, b. 1951, Ph.D. (Rutgers), D.Sc. (h.c. Nottingham), FNA, FNASc, FNAAS, CSIR Distinguished Scientist, Centre for Genetic Manipulation of Crop Plants, University of Delhi South Campus, New Delhi 110 021, Tel. Off. (011) 2411 2609; (011) 2411 5203, Mobile: 98108 43421, email: dpental@gmail.com, sp. transgenic crops; breeding of oilseed mustard.
- 1994 **Periasamy**, Mariappan, b. 1952, Ph.D. (IISc), FNA, Emeritus Professor, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Mobile: 99490 93904, Fax (040) 2301 2460, email: mpssc@uohyd.ac.in; mariappan.periasamy@gmail.com, sp. organometallic & chiral reagents; organic electrochemical cells; MP organic energy technologies.
- 1994 **Periasamy**, Nallagounder, b. 1946, Ph.D. (Bombay), FNA, FNASc, Res. No. 303, Golf Manor, NAL Wind Tunnel Road, Murugeshpalya, Bengaluru 560 017, Mobile: 97419 12592, email: peri46@gmail.com, sp. fluorescence spectroscopy & applications; physical chemistry; materials chemistry; organic electronics.
- 2004 **Pillai**, Madhavan Radhakrishna, b. 1960, Ph.D. (Kerala), FRCPATH. (London), FNASc, FAMS, FNA, Director, Rajiv Gandhi Centre for Biotechnology, Jagathi, Thiruvananthapuram 695 014, Tel. Off. (0471) 234 7973; (0471) 234 1716, Res. (0471) 273 3819, Mobile: 94471 45776; 99951 99993, Fax (0471) 234 9303, email: mrpillai@rgcb.res.in, sp. tumour biology; tumour virology.
- 1992 **Pillai**, Valliyil Narayanan Rajasekharan, b. 1949, Ph.D. (Kerala), Vice Chancellor, Somaiya Vidyavihar University, Vidyavihar Campus, Ghatkoper East, Mumbai 400 077, Tel. Off. (022) 6728 3144; (022) 6728 3178, Res. (022) 6728 3187, Mobile: 91671 08010; 99958 24472, email: vice-chancellor@somaiya.edu; rajasekharpillai@gmail.com, sp. bio-organic chemistry; synthetic organic chemistry; macro-molecular science.

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Year

- 2003 **Pitchappan**, Ramasamy, b. 1946, Ph.D. (MKU), FAMS, Advisor, aDNA Programme, Madurai Kamaraj University, Madurai; Res. No. 3, 120 Feet Road (SOLARTIS premises), Kodikulam 1st Street, Sambakulam, K. Pudur, Madurai 625 007, Mobile: 94430 66798; 72006 69889, email: pitchappanrm@yahoo.co.uk, URL: <http://www.pitchappan.com/>, sp. human immunogenetics; human genomics; immunology of infectious diseases; transplantation immunology.
- 1986 **Pitke**, Madhukar Vishwanath, b. 1936, Ph.D. (Bombay), FIEEE, Res. 002, Buniyad, Yashodham A2-15, Goregaon (East), Mumbai 400 063, Tel. (022) 2841 5252, Mobile: 99670 31266, Fax (022) 2843 1266, email: pitkerv@gmail.com, sp. electronics; telecommunication & information technology; technology transfer; wireless communication.
- 2015 **Podile**, Appa Rao, b. 1960, Ph.D. (Sardar Patel), FNA, FNASc, FNAAS, JC Bose National Fellow, Vice Chancellor, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2301 0121, Res. (040) 2301 0353, Mobile: 94907 49922; 91006 55777, Fax (040) 2301 0120, email: arpsl@uohyd.ernet.in; podilerao@gmail.com, URL: <https://www.uohyd.ac.in/index.php/about-uoh/112-academics/schools-of-study/school-of-life-sciences/dept-plant-sciences/490-appa-rao-p>, sp. molecular plant microbe interactions; microbial biotechnology.
- 700
- 2009 **Pradeep**, Thalappil, b. 1963, Ph.D. (IISc), FNA, FNASc, FNAE, FRSC, FTWAS, FAAAS, Department of Chemistry, Indian Institute of Technology–Madras, Chennai 600 036, Tel. Off. (044) 2257 4208, Res. (044) 2257 6208, Mobile: 94455 60767, Fax (044) 2257 0509, email: pradeep@iitm.ac.in, URL: <http://www.dstuns.iitm.ac.in/pradeep-research-group.php>, sp. molecular & nanoscale materials; nanoscience & nanotechnology; molecular surfaces; ion scattering; instrumentation; water purification.
- 2019 **Pradhan**, Narayan, b. 1972, Ph.D. (IIT, Kharagpur), School of Materials Science, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1733, Fax (033) 2473 2805, Mobile: 94338 52806, email: camnp@iacs.res.in, URL: <http://iacs.res.in/faculty-profile.html?id=102>, sp. materials design & its properties; nanomaterials.
- 1974 **Pradhan**, Trilochan, b. 1929, Ph.D. (Chicago), Emeritus Professor, Institute of Physics, Bhubaneswar; Res. No. 71, Gajapati Nagar, Bhubaneswar 751 005, Tel. (0674) 230 0962, email: pradhan@iopb.res.in, sp. elementary particles & high energy physics; plasma physics; atomic physics.

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Year

- 1992 **Prakasa Rao**, Bhagavatula Lakshmi Surya, b. 1942, Ph.D. (Michigan State), FNA, FNASc, INSA Senior Scientist, CR Rao AIMSCS, University of Hyderabad Campus, Gachibowli, Hyderabad; Res. Apartment 510, Vishnu Residency, C Block, Gandhinagar, Hyderabad 500 080, Mobile: 99491 85041, email: blsprao@gmail.com, sp. statistics.
- 1995 **Prakash**, Vishweshwaraiah, b. 1951, Ph.D. (Mysore), FNASc, NAE, FNAAS, FRSC, Vice-President, International Union of Nutritional Sciences; Adjunct Professor, Ramaiah University of Applied Sciences, Bengaluru and ICT, Mumbai; Res. No. 58, 5A Main Road, Vontikoppal, Mysore 570 002, Tel. Res. (0821) 251 0054, Mobile: 98450 48854, email: prakashvish@gmail.com, sp. physical biochemistry; chemistry & thermodynamics of enzymes & macromolecules; biophysics of proteins & enzymes; food chemistry; food biotechnology; nutrition and food science; nutraceuticals; ayurceuticals & food safety.
- 2020 **Prasad**, Amritanshu, b. 1975, Ph.D. (Chicago), The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3207, Mobile: 96001 87310, Fax (044) 2254 1586, email: amri@imsc.res.in, URL: <http://www.imsc.res.in/~amri>, sp. representation theory; combinatorics; group theory.
- 2015 **Prasad**, Bhagavatula Lakshmi Vara, b. 1969, Ph.D. (Hyderabad), Physical/Materials Chemistry Division, CSIR–National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 2013, Res. (020) 2588 4563, Mobile: 94220 31299, Fax (020) 2590 2636, email: pl.bhagavatula@ncl.res.in, URL: <http://academic.ncl.res.in/pl.bhagavatula/prasad>, sp. materials chemistry; self-assembly; nanoparticle synthesis.
- 1995 **Prasad**, Dipendra, b. 1960, Ph.D. (Harvard), FNA, FNASc, Department of Mathematics, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Mobile: 99309 88824, email: prasad.dipendra@gmail.com, sp. automorphic forms; number theory.
- 1984 **Prasad**, Gopal, b. 1945, Ph.D. (Bombay), FNA, Raoul Bott Emeritus Professor of Mathematics, The University of Michigan, Ann Arbor, Michigan 48109-1043, USA, Tel. Off. (+1-734) 647 4468, Res. (+1-734) 585 5487, Fax (+1-734) 763 0937, email: gprasad@umich.edu, sp. Lie groups; algebraic groups; arithmetic groups.

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Year
- 2003 **Prasad**, Guntupalli Veera Raghavendra, b. 1958, Ph.D. (Panjab), FNA, FNASc, FTWAS, Department of Geology, Centre for Advanced Studies, University of Delhi, Delhi 110 007, Tel. Off. (011) 2766 7073, Mobile: 98682 07140, email: pguntupalli@rediffmail.com; guntupalli.vrprasad@gmail.com, sp. vertebrate palaeontology: evolution of mesozoic mammals in India; Cretaceous palaeo-biogeography of India.
- 710
- 2015 **Prasad**, Kavirayani Ramakrishna, b. 1969, Ph.D. (Pune), Department of Organic Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2524, Res. (080) 2360 5415, Mobile: 94484 73015, Fax (080) 2360 0529, email: prasad@iisc.ac.in, URL: <http://orgchem.iisc.ac.in/faculty/prasad/prasad.html>, sp. organic synthesis; total synthesis of natural products; asymmetric synthetic strategies.
- 1985 **Prasad**, Phoolan, b. 1944, Ph.D. (IISc), FNA, FNASc, Department of Mathematics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2711, Res. (080) 2337 1039, Mobile: 94484 61299, Fax (080) 2360 0146, email: phoolan.prasad@gmail.com, URL: <http://math.iisc.ac.in/~prasad/>, sp. theory of wave-propagation; partial differential equations; fluid mechanics.
- 2000 **Prasad**, Rajendra, b. 1947, Ph.D. (Agra), FNASc, FNA, Director, Amity Institute of Integrative Sciences & Health and Amity Institute of Biotechnology, Amity University, Amity Education Valley, Gurugram 122 413, Tel. Off. (0124) 233 7015/1111, Res. (0124) 257 3443, Mobile: 98109 74443, email: rprasad@ggn.amity.edu; rp47jnu@gmail.com, URL: <http://www.amity.edu/faculty-detail.aspx?facultyID=1285>, sp. membrane biology; yeast genetics & molecular biology; medical mycology.
- 1997 **Prasad**, Surendra, b. 1948, Ph.D. (IIT, Delhi), FNA, FNAE, FNASc, Honorary Professor & INSA Senior Scientist, Department of Electrical Engineering, Indian Institute of Technology–Delhi, Hauz Khas, New Delhi 110 016, Tel. Off. (011) 2659 6200; (011) 2659 1115, Res. (0124) 406 7489, Fax (011) 2658 2659, email: sprasad@ee.iitd.ac.in, sp. signal processing; communication theory & systems. **Council Service:** 2007–12.
- 1991 **Prasad**, Yellapregada Venkata Rama Krishna, b. 1944, Ph.D. (IISc), FNA, Res. B/2, Hospital Extension, Vinayaka Nagar, Hebbal, Bengaluru 560 024, Tel. (080) 2333 0673, email: prasad@processingmaps.com; prasad_yvrk@hotmail.com, sp. deformation processing; process modelling; deterministic chaos; micro-structural control.

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Year
- 1994 **Prasada Rao**, Turaga Sundara Rama, b. 1939, Ph.D. (Andhra), FNAE, Res. 705 Quisecent Heights, Opp. Westin Hotel, Raheja Mindspace IT Park, Madhapur, Hyderabad 500 081, Mobile: 98103 38091, email: tsrpr@hotmail.com, sp. petroleum refining & heterogeneous catalysis.
- 1991 **Prathap**, Gangan, b. 1951, Ph.D. (IIT, Chennai), FNA, Honorary Professor, APJ Abdul Kalam Technological University, Thiruvananthapuram 695 016, Tel. Off. (0471) 278 5627, Res. (0471) 271 1956, email: gp@niist.res.in, sp. structural mechanics; finite element method; composite materials; information science.
- 2016 **Punniyamurthy**, Tharmalingam, b. 1964, Ph.D. (IIT, Kanpur), FRSC, FNASc, Head, Department of Chemistry, Indian Institute of Technology–Guwahati, Guwahati 781 039, Tel. Off. (0361) 258 2309, Res. (0361) 258 4309, Mobile: 94351 02462, Fax (0361) 258 2349, email: tpunni@iitg.ac.in, URL: http://www.iitg.ernet.in/scifac/tpunni/public_html/, sp. synthetic organic chemistry.
- 2006 **Puri**, Sanjay, b. 1961, Ph.D. (Illinois), FNA, School of Physical Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4634, Res. (011) 2674 1084, Mobile: 98185 52477, Fax (011) 2619 4137, email: purijnu@gmail.com, URL: www.jnu.ac.in/Faculty/spuri, sp. statistical physics; condensed matter physics; nonlinear dynamics.
- 2003 **Purnachandra Rao**, Venigalla, b. 1955, Ph.D. (Andhra), Emeritus Scientist, Department of Civil Engineering, Vignan's University, Vadlamudi 522 213, Tel. Off. (0863) 2344 761, Mobile: 94224 16008, email: vprao55@gmail.com, sp. marine geology; authigenic minerals; palaeo-sea levels; palaeoclimate.
- 720
- 2000 **Radhakrishna**, Tallavajhala, b. 1954, Ph.D. (Andhra), CSIR Emeritus Scientist, GITAM University, NH 207, Doddaballapur Taluk, Nagadenehalli 561 203, Tel. Off. (080) 2809 8000, Mobile: 97462 87943, email: tradha1@rediffmail.com, sp. geochemistry & igneous petrology; palaeomagnetism; geodynamics.
- 2007 **Radhakrishnan**, Jaikumar, b. 1964, Ph.D. (Rutgers), FNA, School of Technology & Computer Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2311, Res. (022) 2278 3311, Fax (022) 2280 4610, email: jaikumar@tifr.res.in, sp. algorithms; computational complexity; information theory; combinatorics; quantum computing.

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Year
- 2004 **Radhakrishnan**, Thavarool Puthiyedath, b. 1960, Ph.D. (Princeton), FNA, FNASc, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4827, Res. (040) 2980 2989, Fax (040) 2301 2460, email: tpr@uohyd.ac.in, URL: <http://chemistry.uohyd.ac.in/~tpr/>, sp. materials chemistry. **Council Service:** 2019–.
- 2009 **Raghava**, Gajendra Pal Singh, b. 1963, Ph.D. (Chandigarh), FNASc, Head, Centre for Computational Biology, Indraprastha Institute of Information Technology, Okhla Phase 3, New Delhi 110 020, Tel. Off. (011) 2690 7444, Fax (011) 2690 7410, email: raghava@iiitd.ac.in, URL: <http://www.iiitd.ac.in/raghava/>, sp. bioinformatics; cancer genomics; immunoinformatics; drug design; subunit vaccine design.
- 2011 **Raghavan**, Komaranapuram Navaneetham, b. 1964, Ph.D. (Purdue), FNASc, Professor I, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3264, Res. (044) 2844 1505, Mobile: 94456 31505, Fax (044) 2254 1586, email: knr@imsc.res.in; knr.imsc@gmail.com, URL: <http://www.imsc.res.in/~knr/>, sp. representation theory.
- 2016 **Raghavan**, Sathees C, b. 1970, Ph.D. (Banaras), FNASc, Associate Professor, Department of Biochemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2674, Mobile: 97310 17736, Fax (080) 2360 0814, email: sathees@iisc.ac.in, sp. DNA double-strand break repair; genomic instability; cancer therapeutics; cancer genetics.
- 2014 **Raghavarao**, Karumanchi Srisaila Mallikarjuna Srinivasa, b. 1960, Ph.D (Bombay), FNAE, FNAAS, Director, CSIR–Central Food Technological Research Institute, Mysore 570 020, Tel. Off. (0821) 251 7760, Res. (0821) 234 0988, Mobile: 94835 40988, Fax (0821) 251 6308, email: director@cftri.res.in; ksmsraghavarao60@gmail.com, sp. food engineering; biotechnology; chemical engineering.
- 1999 **Raghavendra**, Agepati Srinivasa, b. 1950, Ph.D. (SV Univ.), FNA, FNASc, FNAAS, FTWAS, Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2988 1003; (040) 2313 4555, Res. (040) 4851 4460, Mobile: 98491 07190, Fax (040) 2301 0145, email: asrsl@uohyd.ernet.in; as_raghavendra@yahoo.com, sp. plant molecular physiology; plant biochemistry; plant metabolomics. **Council Service:** 2010–12.

Elected
Year

- 1974 **Raghunathan**, Madabusi Santanam, b. 1941, Ph.D. (Bombay), FNA, FNASc, FTWAS, FRS, Honorary Fellow, Tata Institute of Fundamental Research, Mumbai; Distinguished Professor, UM-DAE Centre for Excellence in Basic Sciences, Mumbai; Res. 503, Atlantis, Raheja Acropolis-1, Deonar Pada Road, Mumbai 400 088, Tel. Res. (022) 2550 4766, Mobile: 98690 13889, email: msr@math.iitb.ac.in; madabusisr@gmail.com, sp. Lie groups & algebraic groups. **Council Service:** 1983–91.
- 2005 **Raghunathan**, Velayudhan Anandavally, b. 1960, Ph.D. (Mysore), Raman Research Institute, C.V. Raman Avenue, Sadashivanagar, Bengaluru 560 080, Tel. Off. 94808 36154, Res. (080) 2664 8940, Fax (080) 2361 0492, email: varaghu@rri.res.in, sp. soft matter physics; scattering techniques. **Council Service:** 2019–; Treasurer: 2019–.
- 730
- 2016 **Raghuram**, Anantharam, b. 1971, Ph.D. (TIFR), Indian Institute of Science Education and Research–Pune, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8103, Mobile: 83906 70099, Fax (020) 2586 5086, email: raghuram@iiserpune.ac.in; raghuram.1@gmail.com, URL: <https://sites.google.com/site/math4raghuram/>, sp. automorphic forms; number theory; representation theory.
- 1996 **Rai**, Shyam Sundar, b. 1954, Ph.D. (ISM, Dhanbad), FNA, FNASc, JC Bose National Fellow, Emeritus Professor, Department of Earth & Climate Science, Indian Institute of Science Education and Research–Pune, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8255, Mobile: 89560 78131, email: shyamsrai@iiserpune.ac.in; shyamsrai@gmail.com, URL: <http://www.iiserpune.ac.in/~shyamsrai/>, sp. geophysics; data analysis & modelling; deep earth exploration. **Council Service:** 2013–15.
- 2005 **Rai Choudhuri**, Arnab, b. 1956, Ph.D. (Chicago), FNASc, FNA, FTWAS, Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 3481, Res. (080) 2360 3664, Mobile: 99005 51702, email: arnab@iisc.ac.in, sp. theoretical astrophysics; magnetohydrodynamics; solar physics; history of science.
- 1985 **Rai Choudhury**, Sudhendu, b. 1941, Ph.D. (Delhi), Res. A9, Surendra Estate, Chuna Bhatti, Bhopal 462 016, Mobile: 90394 21948, email: srai.choudhury@gmail.com, sp. particle physics.

- Elected
Year
- 1974 **Rajagopalan**, Sundarapandium Rama, b. 1931, Ph.D. (Madras), Res. B4/1, Vijay Kiran Apartments, 32, Victoria Road, Bengaluru 560 047, Tel. (080) 4866 6990, Mobile: 94484 67655, email: rajagopalandsr@gmail.com, sp. electrochemistry.
- 1990 **Rajamani**, Vedharaman, b. 1944, Ph.D. (SUNY, Stony Brook), FNA, Res. H-430, Brigade Courtyard, HMT Factory Main Road, Jalahalli, Bengaluru 560 013, Mobile: 99101 81299, email: rajav1946@gmail.com, sp. geochemistry; rock weathering; soil/sediment genesis; farmland geology.
- 2005 **Rajan**, Conjeeveram Srirangachari, b. 1961, Ph.D. (Bombay), FNA, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2665, Res. (022) 2280 4643, Fax (022) 2280 4610, email: rajan@math.tifr.res.in, sp. automorphic forms; arithmetic geometry; representation theory.
- 1982 **Rajappa**, Srinivasachari, b. 1934, Ph.D. (Madras), FNA, Res. B-1, Melody Apartments, Plot No. 12, ICS Colony, Pune 411 007, Tel. (020) 2552 8395, Mobile: 98901 47478, email: pad.raj1939@gmail.com, sp. synthetic organic chemistry.
- 1978 **Rajaraman**, Ramamurti, b. 1939, Ph.D. (Cornell), FNA, Emeritus Professor, School of Physical Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4785, Res. (011) 2612 3485, Mobile: 98181 60651, email: doug0700@mail.jnu.ac.in; prof_rajaraman@yahoo.com, URL: <http://www.jnu.ac.in/Faculty/rajaraman>, sp. theories of elementary particles; quantum field theory & nuclear many-body theory; quantum Hall systems; military and civilian nuclear policy.
- 1974 **Rajaraman**, Vaidyeswaran, b. 1933, S.M. (MIT), Ph.D. (Wisconsin), D.Sc. (h.c.), FNA, FNASc, FNAE, Honorary Professor, Super-computer Education & Research Centre, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 0811, Res. (080) 2341 9672, Fax (080) 2360 0805, email: rajaraman.v37@gmail.com, URL: www.serc.iisc.ac.in/~rajaram/, sp. computer science; information systems design.
- 740
- 1983 **Rajasekaran**, Guruswamy, b. 1936, Ph.D. (Chicago), FNA, FNASc, Adjunct Professor, Chennai Mathematical Institute, Chennai, Tel. Off. (044) 2747 0228; Professor Emeritus, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3206, Res. (044) 2441 3395, Fax (044) 2254 1586, email: graj@imsc.res.in, URL: <http://www.imsc.res.in/~graj/>, sp. quantum field theory; high energy physics.

- Elected
Year
- 2006 **Rajasekharan**, Ram, b. 1960, Ph.D. (IISc), FNASc, FNAAS, FNA, JC Bose National Fellow, CSIR–Central Food Technological Research Institute, Mysore 570 020, Tel. Off. (0821) 251 7760, Fax (0821) 251 6308, email: ram@cftri.res.in, sp. fats & oils metabolism; plant biotechnology.
- 2012 **Rajeevan**, Madhavan Nair, b. 1961, Ph.D. (Pune), FNA, FNASc, Secretary, Ministry of Earth Sciences, Prithvi Bhavan, Lodi Road, New Delhi 110 003, Tel. Off. (011) 2462 9771-2, Res. (011) 2410 3070, Mobile: 85059 02700, Fax (011) 2462 9777, email: rajeevan61@yahoo.co.in; secretary@moes.gov.in, sp. climate variability & change; monsoon dynamics & prediction.
- 2011 **Rajshekhar**, Vedantam, b. 1959, M.Ch. (Vellore), FAMS, Department of Neurological Sciences, Christian Medical College, Vellore 632 004, Tel. Off. (0416) 228 2767, Res. (0416) 228 4214, Mobile: 98947 74423, Fax (0416) 223 2103, email: rajshekhar@cmcvellore.ac.in, sp. neurosurgery; cysticercosis, cervical spine surgery.
- 2005 **Raju**, Trichur Ramaswamy, b. 1952, Ph.D. (ANU), Visiting Distinguished Professor, SVYASA Yoga University, Bengaluru; Dr A S Paintal Distinguished Scientist Chair of ICMR, National Institute of Mental Health & Neurosciences, Bengaluru 560 029, Tel. Off. (080) 2699 5955, Res. (080) 2539 2148, Mobile: 99802 30115, Fax (080) 2656 4830, email: rraju@nimhans.kar.nic.in; rraju.nimhans@gmail.com, sp. developmental neuroscience; neurodegeneration; neuronal plasticity.
- 2001 **Ram Sagar**, b. 1952, Ph.D. (Gorakhpur), FNASc, NASI Senior Scientist, Indian Institute of Astrophysics, Sarjapur Road, Koramangala, Bengaluru 560 034, Tel. Off. (080) 2254 1221, Mobile: 98864 43436, email: ram_sagar0@yahoo.co.in; ramsagar@iiap.res.in sp. astronomy & astrophysics; high energy physics.
- 1969 **Rama**, b. 1929, Ph.D. (Bombay), FNA, FNAAS, Res. Y-4, Sector 9, CBD, Navi Mumbai 400 614, Tel. (022) 2757 0081, email: rama.506@yahoo.com, sp. isotope hydrology.
- 1985 **Rama Rao**, Alla Venkata, b. 1935, Ph.D. (Tech.) (Mumbai), D.Sc. (Mumbai), FNA, FNASc, FTWAS, Chairman & Managing Director, AVRA Laboratories Private Limited, AVRA House, 7-102/54, Sai Enclave, Habsiguda, Hyderabad 500 007, Tel. Off. (040) 2717 8568; (040) 2717 8569, Res. (040) 2717 3360, Mobile: 98481 35163, Fax (040) 2717 5605, email: ramarao@avralab.com, URL: www.avralab.com, sp. organic chemistry; medicinal chemistry; drug technology.

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Year
- 2017 **Ramachandra**, Nallur Basappa, b.1958, Ph.D. (Mysore), Chairman, Department of Studies in Genetics & Genomics, University of Mysore, Manasagangotri, Mysore 570 006, Tel. Off. (0821) 241 9781; (0821) 241 9888, Res. (0821) 428 7471, Mobile: 98800 33697, email: nallurbr@gmail.com; ramachandra@genetics.uni-mysore.ac.in, URL: <http://uni-mysore.ac.in/zoology/faculty/dr-nb-ramachandra>, sp. drosophila genetics & evolution; human genetic disorders; genome genetics.
- 1988 **Ramachandran**, Janakiraman, b. 1935, Ph.D. (UC, Berkeley), Chairman, Gangagen Biotechnologies Private Limited, No. 12, 5th Cross, Raghavendra Layout, Tumkur Road, Yeshwanthpur, Bengaluru 560 022, Tel. Off. (080) 4062 1300, Mobile: 96069 41091, Fax (080) 4062 1329, email: jram@gangagen.com, sp. biochemistry; organic chemistry; molecular biology.
- 750
- 1990 **Ramachandran**, Raghavan, b. 1940, Ph.D. (Chicago), FNASc, Res. No. 44 Gopalpuram, IIT Co-operative Housing Society, Kanpur 208 016, Mobile: 94220 04597, email: rr_1940@yahoo.co.in; rr@imsc.res.in, sp. particle physics; physics education.
- 1974 **Ramachandran**, Sundaresan, b. 1930, D.Sc. (MIT), Res. Vidya Theertha Kripa, No. 1, Siva Sundar Avenue, Thiruvanniyur, Chennai 600 041, Tel. (044) 2441 0185, email: sram@ureach.com, sp. alloy & stainless steel making; process metallurgical design & development.
- 2019 **Ramachary**, Dhevalapally B., b. 1973, Ph.D. (IISc), Catalysis Laboratory, School of Chemistry, University of Hyderabad, Gachibowli, Hyderabad 500 046, Tel. Off. (040) 2313 4816, Fax (040) 2301 2460, Mobile: 96520 10273, email: ramsc@uohyd.ac.in; ramchary.db@gmail.com, URL: <http://chemistry.uohyd.ac.in/~dbr/index.htm>, sp. asymmetric supramolecular-organocatalysis; sequential one-pot multi-component reactions; reaction methodology & total synthesis.
- 1998 **Ramadas**, Trivandrum Ramakrishnan, b. 1955, Ph.D. (Bombay), FNA, Chennai Mathematical Institute, H1, SIPCOT IT Park, Siruseri, Kelambakkam, Chennai 603 103, Mobile: 87545 76434, email: ramadas@cmi.ac.in, sp. geometry; mathematical physics.
- 2010 **Ramaiah**, Danaboyina, b. 1958, Ph.D. (IIT, Kanpur), FNASc, CSIR-North East Institute of Science and Technology, Jorhat 785 006, Mobile: 94354 99986, Fax (0376) 237 0011, email: rama@neist.res.in; d.ramaiah@gmail.com, URL: <http://www.niist.res.in/english/scientists/ramaiah-d-/personal.html>, sp. bioorganic chemistry; photobiology; biophysical chemistry; organic photochemistry.

- Elected
Year
- 2006 **Ramakrishna**, Balakrishnan Siddartha, b. 1952, MD, DM, Ph.D. (Madras), FNA, FAMS, Director, Institute of Gastroenterology, SRM Institutes for Medical Science, Vadapalani, Chennai; Res. Flat 202-203, GVSPL Green Park, 32 Vaidyanathan Street, Nungambakkam, Chennai 600 034, Tel. Off. (044) 2362 6314, Mobile: 99946 14890, email: wurama@hotmail.com, sp. gastroenterology; nutrition; inflammatory bowel disease; gastrointestinal microbiome; stem cells.
- 1994 **Ramakrishnan**, Moni, b. 1940, Ph.D. (IISc), Res. Flat No. F-303, Ananya's Nana Nani Homes, Phase 3, Dhaliyur, Thondamuthur P.O., Coimbatore 641 109, Tel. (0422) 298 8200, Mobile: 89037 15268; 99401 34126, email: mramkris@gmail.com; emarkay1@hotmail.com, sp. Precambrian geology; geochemistry; petrology; geochronology.
- 1975 **Ramakrishnan**, Palayanoor Sivaswamy, b. 1936, Ph.D. (Banaras), FNA, FNASc, FTWAS, INSA Honorary Scientist, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4326, Res. (0124) 408 5970, Mobile: 99585 14140, Fax (011) 2674 1262, email: krishnanpoonam@gmail.com, sp. socio-ecological systems; environment & sustainable development.
- 2002 **Ramakrishnan**, Srinivasan, b. 1956, Ph.D. (Bombay), Department of Condensed Matter & Materials Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2257; (022) 2278 2410, Res. (022) 2280 4628, Mobile: 98672 30590, Fax (022) 2280 4610-1, email: ramky@tifr.res.in, sp. low temperature physics.
- 2006 **Ramakrishnan**, Subramaniam, b. 1960, Ph.D. (Massachusetts), Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2744, Mobile: 94498 18794, Fax (080) 2360 1552, email: raman@iisc.ac.in, URL: <http://ipc.iisc.ac.in/raman.php>, sp. polymer synthesis; polymer folding & assembly; hyperbranched polymers; polymerizable surfactants; porous polymers.
- 760
- 1980 **Ramakrishnan**, Tiruppattur Venkatachalamurti, b. 1941, Ph.D. (Columbia), FNA, FNASc, FTWAS, FRS, Emeritus Professor, Department of Physics, Banaras Hindu University, Varanasi; Distinguished Associate, Centre for Condensed Matter Theory, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2581; (080) 2360 0228, email: tvrama2002@yahoo.co.in; tvrama@iisc.ac.in, sp. condensed matter physics; statistical mechanics. **Council Service:** 2004–09; President: 2004–06.

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Year
- 2010 **Ramamritham**, Krithivasan, b. 1955, Ph.D. (Utah), FNAE, FNASc, FIEEE, Department of Computer Science & Engineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7740, Res. (022) 2576 8740, Mobile: 98206 33683, Fax (022) 2572 0022, email: krithi@cse.iitb.ac.in, sp. databases; real-time systems; use of information & communication technologies for socio-economic development.
- 1986 **Ramamurthy**, Vaidhyanathan, b. 1946, Ph.D. (Hawaii), Department of Chemistry, University of Miami, Coral Gables, FL 33124, USA, Tel. Off. (+1-305) 284 1534, Mobile: (+1-305) 332 3794, email: murthy1@miami.edu, sp. photochemistry; supramolecular chemistry; organic solid state chemistry; chemistry in confined spaces.
- 1991 **Ramamurthy**, Valangiman Subramanian, b. 1942, Ph.D. (Bombay), FNA, FNASc, FNAE, FTWAS, Emeritus Professor, National Institute of Advanced Studies, Indian Institute of Science Campus, Bengaluru 560 012, Tel. Off. (080) 2218 5127, Res. (080) 2351 5920, Mobile: 99000 02178, Fax (080) 2218 5028, email: vsramamurthy@nias.res.in; vsramamurthy@gmail.com, sp. nuclear physics; applications of low energy accelerator; science & technology policy.
- 2010 **Ramamurthy**, Upadrasta, b. 1967, Ph.D. (Brown), FNAE, FNA, FTWAS, School of Mechanical and Aerospace Engineering, Nanyang Technological University, 50 Nanyang Avenue, Block N3.2-02-05, Singapore 639 798, Tel. Off. (+65) 6790 4040, Fax (+65) 6792 4062, email: uram@ntu.edu.sg, sp. mechanical behaviour of materials; advanced materials & manufacturing.
- 1996 **Raman**, Rajiva, b. 1948, Ph.D. (Banaras), FNA, FNASc, Distinguished Professor, Department of Zoology, Banaras Hindu University, Varanasi 221 005, Tel. Res. (0542) 257 0967, Mobile: 93361 52694, email: rajiva.raman@gmail.com, sp. human molecular genetics & cytogenetics; gene expression & chromatin organization in development; sex determination.
- 2014 **Ramana**, Chepuri Venkata, b. 1968, Ph.D. (Hyderabad), Division of Organic Chemistry, CSIR–National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 2577, Res. (020) 2589 3642, Mobile: 94235 82183, Fax (020) 2590 2629, email: vr.chepuri@ncl.res.in, URL: <http://academic.ncl.res.in/profile/vr.chepuri>, sp. total synthesis; transition metal catalysis; carbohydrate chemistry.

Elected
Year

- 1974 **Ramanan**, Sundararaman, b. 1936, Ph.D. (Bombay), FNA, FNASc, Adjunct Professor, Chennai Mathematical Institute, H1, SIPCOT IT Park, Siruseri, Kelambakkam, Chennai 603 103, Tel. Off. (044) 2254 3376, Res. (044) 2434 1169, Mobile: 94445 49919, Fax (044) 2254 1856, email: sramanan@cmi.ac.in, sp. algebraic geometry & differential geometry.
- 2000 **Ramaraj**, Ramasamy, b. 1956, Ph.D. (Madras), D.Sc. (Japan), D.Sc. (MKU), FNASc, FNA, DAE Raja Ramanna Fellow, School of Chemistry, Madurai Kamaraj University, Madurai 625 021, Tel. Off. (0452) 245 9084, Res. (0452) 238 2399, Mobile: 89039 71420, email: ramarajr@yahoo.com, sp. photoelectrocatalysis & chemically modified electrodes; nanomaterials; solar energy conversion; catalysis; sensors.
- 1990 **Ramasami**, Thirumalachari, b. 1948, Ph.D. (Leeds), FNA, FNASc, FNAE, FTWAS, Nayudamma–Abdul Wahid Chair Professor, Anna University, Chennai; Centre for Academic Research and Education, Central Leather Research Institute, Adyar, Chennai 600 020, email: samisrisailam@gmail.com, sp. physical inorganic chemistry; bio-inorganic chemistry; leather science & technology.
770 **Council Service**: 2004–2009, Vice-President: 2007–09.
- 1992 **Ramasesha**, Suryanarayana Sastry, b. 1950, Ph.D. (IIT, Kanpur), FNA, FTWAS, Honorary Professor, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2925, Mobile: 98452 12356, Fax (080) 2360 1310, email: ramasesh@iisc.ac.in, sp. many-body quantum chemistry; low-dimensional solids; molecular electronics; molecular magnetism; nonlinear optics.
- 2002 **Ramasubramanian**, Sundareswaran, b. 1952, Ph.D. (ISI), Res. Apartment No. 001, Ashirwad Apartments, Austin Town Layout, Bengaluru 560 047, Tel. (080) 2554 6608, Mobile: 98807 16418, email: sunramin@gmail.com, sp. stochastic processes; stochastic models in insurance.
- 2007 **Ramaswamy**, Mythily, b. 1954, Ph.D. (Paris), FNASc, TIFR Centre for Applicable Mathematics, Sharada Nagar, Yelahanka New Town, Bengaluru 560 065, Tel. Res. (080) 2334 1138, Mobile: 98453 35387, email: mythily54@gmail.com, URL: math.tifrbng.res.in/~mythily, sp. nonlinear functional analysis; partial differential equations; applications to control problems. **Council Service**: 2019–.

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Year
- 1993 **Ramaswamy**, Ramakrishna, b. 1953, Ph.D. (Princeton), FNA, FTWAS, Visiting Professor, Department of Chemistry, Indian Institute of Technology–Delhi, Hauz Khas, New Delhi 110 016, Tel. Off. (011) 2659 7969, Mobile: 78930 93737, email: ramaswamy@iitd.ac.in; r.ramaswamy@gmail.com, sp. nonlinear science; systems biology & bioinformatics; chemical dynamics. **Council Service:** 2010–; Vice-President: 2013–15; Editor of Publications: 2013–15; President: 2016–18.
- 1996 **Ramaswamy**, Sriram Rajagopal, b. 1957, Ph.D. (Chicago), FNA, FNASc, FRS, Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3283; (080) 2360 2698, Res. (080) 2308 9166, email: sriram@iisc.ac.in, URL: <http://www.physics.iisc.ac.in/~sriram/>, sp. nonequilibrium; soft-matter and biological physics.
- 1969 **Ramdass**, Anant Krishna, b. 1930, Ph.D. (Pune), Assoc. FTWAS, Lark-Horovitz Distinguished Professor Emeritus, Department of Physics, Purdue University, West Lafayette, Indiana 47907, USA, Tel. Off. (+1-765) 494 3028, Res. (+1-765) 463 2707, Fax (+1-765) 494 0706, email: akr@purdue.edu, sp. condensed matter physics; semiconductor physics; optical phenomena; solid state spectroscopy.
- 2004 **Ramdorai**, Sujatha, b. 1962, Ph.D. (TIFR), FNA, FNASc, Department of Mathematics, University of British Columbia, 1984, Mathematics Road, Vancouver V6T 1Z2, Canada, Tel. Off. (+1-604) 822 3627, email: sujatha@math.ubc.ca, URL: www.math.ubc.ca/~sujatha, sp. algebra; quadratic forms; number theory; Iwasawa theory.
- 2011 **Ranade**, Vivek Vinayak, b. 1963, Ph.D. (Bombay), FNAE, FNA, School of Chemistry & Chemical Engineering, Queen's University (Belfast), David Keir Building, Stranmillis Road, Belfast BT9 5AG, U.K., Tel. Off. (+44-28) 9097 4592, Fax (+44-28) 9097 4687, email: v.ranade@qub.ac.uk; ranade.ncl@gmail.com, sp. multiphase flows & reactors; computational flow modelling; process intensification. **Council Service:** 2016.
- 1987 **Ranganath**, Gobbalipur Shamanna, b. 1944, Ph.D. (Bangalore), FNASc, Res. No. 422, Chitta, 10th Cross, 8th Main, Padmanabhanagar, Bengaluru 560 070, Tel. (080) 2669 2616, email: gs.ranganath@gmail.com, sp. liquid crystals; optics.

Elected
Year

- 1995 **Ranganath**, Hassan Annegowda, b. 1948, Ph.D. (Mysore), FNASc, FNA, Visiting Professor, Centre for Human Genetics, Bengaluru; Res. Flat No. 308, Wise Residency, Devarachikkana-halli Main Road (Chowdeshwari Temple), Bommanahalli, Bengaluru 560 076, Mobile: 99023 00909, email: haranganath@gmail.com, sp. zoology; genetics; evolution.
- 780
- 1976 **Ranganathan**, Srinivasa, b. 1941, Ph.D. (Cantab), FNA, FNAE, FNASc, FTWAS, RQ14 Distinguished Fellow & NASI Platinum Jubilee Senior Scientist, Department of Materials Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. & Fax (080) 2360 1198, Res. (080) 2351 8521, Mobile: 98803 97490, email: rangu@iisc.ac.in; rangu1941@gmail.com, sp. physical metallurgy & materials science; cultural heritage science; arts & technology intersection.
- 2010 **Rangarajan**, Govindan, b. 1963, Ph.D. (Maryland), FNASc, Chairman, Division of Interdisciplinary Research & Professor, Department of Mathematics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 0373, Res. (080) 2334 4736, Fax (080) 2360 0146, email: rangaraj@iisc.ac.in; govindan.rangarajan@gmail.com, URL: <http://math.iisc.ernet.in/~rangaraj>, sp. nonlinear dynamics & chaos; time series analysis; mathematical biology.
- 2007 **Rangarajan**, Pundi Narasimhan, b. 1963, Ph.D. (IISc), FNASc, FNA, FAMS, JC Bose National Fellow, Chair, Department of Biochemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2540, Mobile: 98863 03700, email: pnr@iisc.ac.in, sp. eukaryotic gene expression; infectious diseases.
- 1981 **Rangaswamy**, Nanjangud Sreekantaiah, b. 1932, Ph.D. (Delhi), FNA, FNASc, Res. Apartment No. 241, III Floor, Block B2, Kendriya Vihar, Bellary Road, Yelahanka, Bengaluru 560 064, Tel. (080) 2979 1511, Mobile: 96323 10700; 98711 82002, email: rlmc68@yahoo.co.in, sp. reproductive physiology of seed plants; plant tissue culture; biotechnology.
- 2020 **Ranjan**, Rajeev, b. 1970, Ph.D. (Banaras), Department of Materials Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2989, Res. (080) 2341 0989, Mobile: 99020 42989, Fax (080) 2360 0472, email: rajeev@iisc.ac.in; ranjanrajeeb@gmail.com, URL: <https://materials.iisc.ac.in/faculty/rajeev-ranjan/>, sp. materials science; ferroelectrics; piezoelectrics.

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Year
- 1995 **Ranu**, Brindaban Chandra, b. 1949, Ph.D. (Jadavpur), FNA, INSA Honorary Scientist, School of Chemical Sciences, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1404, Mobile: 94330 53856, Fax (033) 2473 2805, email: ocbcr@iacs.res.in; bcranu@gmail.com, sp. green chemistry; indium-mediated; supported metal & metal nanoparticle-catalysed reactions; visible light photocatalysed reactions; organic synthesis.
- 1993 **Rao**, Addicam Jagannadha, b. 1942, Ph.D. (IISc), FNA, FNASc, FAMS, INSA Honorary Scientist, Department of Biochemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 8660; (080) 2293 2308, Res. (080) 2650 7124, Mobile: 98458 02391, email: ajrao@iisc.ac.in; ajrao2006@gmail.com, sp. regulation of placental function; role of estrogen in cellular differentiation; primate biology; role of Brac1 in oocyte maturation.
- 2012 **Rao**, Arikkala Raghurama, b. 1954, Ph.D. (Bombay), Department of Astronomy & Astrophysics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Mobile: 98694 58091, email: arrao@tifr.res.in, sp. X-ray astronomy; X-ray instrumentation; high energy astrophysics.
- 1997 **Rao**, Aroor Pramesh, b. 1948, Ph.D. (Bombay), Res. Flat 7, Khagol Housing Society, Panchavati, Pashan, Pune 411 008, Mobile: 98507 45504, email: prameshrao@gmail.com, sp. sun & solar wind; wave propagation in random media; aperture synthesis; radio imaging.
- 2013 **Rao**, Basuthkar Jagadeeshwar, b. 1956, Ph.D. (IISc), FNA, FNASc, Dean (Faculty), Indian Institute of Science Education and Research–Tirupati, Opp. Sree Rama Engineering College (Transit Campus), Karakambadi Road, Mangalam Post, Tirupati 517 507, Tel. Off. (0877) 250 0401, Mobile: 90045 88909, email: bjrao@iisertirupati.ac.in; bjrao1@gmail.com, URL: <http://www.iisertirupati.ac.in/research/biology/>, sp. genome dynamics; biology of cellular adaptations; computational biology.
- 790
- 1974 **Rao**, Calyampudi Radhakrishna, b.1920, Ph.D. & Sc.D. (Cambridge), D.Sc. (h.c.), FNA, FNASc, FRS, FTWAS, Member–US Natl. Acad. Sci., Honorary Professor, C R Rao Advanced Institute of Mathematics, Statistics and Computer Science, Hyderabad; Research Professor, University at Buffalo, 29, Old Orchard Street, Williamsville, NY 14221, USA, email: crr1@psu.edu, sp. entropy; statistics with applications to quality control & biology; signal processing; pattern recognition.

Elected
Year

- 2012 **Rao**, Chebrolu Pulla, b. 1954, Ph.D. (IISc), FNA, FNASc, JC Bose National Fellow, Head, Department of Chemistry, Indian Institute of Technology–Tirupati, Settipalli Post, Tirupati 517 506, Tel. Off. (0877) 250 3036, Mobile: 99690 22554, Fax (0877) 250 3004, email: cprao@iittp.ac.in; cpraoiitb@gmail.com, sp. bioinorganic chemistry; supramolecular chemistry; ion & molecular receptors; metallo-proteins & metalloenzymes; nanobiomaterials; lectins & glycosidases.
- 1965 **Rao**, Chintamani Nagesa Ramachandra, b. 1934, D.Sc. (Mysore), Ph.D. (Purdue), D.Sc. (h.c.), Sc.D. (h.c.), LL.D. (h.c.), D.Litt. (h.c.), Dr. Engg. (h.c.), FNA, FNASc, FRS, FRS(C), Foreign Associate-US Natl. Acad. Sci., FTWAS, Linus Pauling Research Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2365 3075; (080) 2208 2761, Res. (080) 2360 1410, Fax (080) 2208 2760, email: cnrrao@jncasr.ac.in, URL: www.jncasr.ac.in/cnrrao, sp. solid state and materials chemistry; surface science; spectroscopy & molecular structure. **Council Service**: 1971–94, President: 1989–91; Vice-President: 1974–76, 1983–85; Secretary: 1977–82; Editor of Publications: 1983–88.
- 1999 **Rao**, Desirazu Narasimha, b. 1954, Ph.D. (IISc), FNA, FNASc, Department of Biochemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2538, Res. (080) 2361 1677, Fax (080) 2360 0814, email: dnrao@biochem.iisc.ernet.in, sp. protein–DNA interactions using restriction-modification enzymes; DNA mismatch repair proteins as model systems.
- 1983 **Rao**, Kalya Jagannatha, b. 1940, Ph.D. (IIT, Kanpur), D.Sc. (IISc), D.Sc. (h.c. Univ. Bordeaux), FNA, FNASc, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bengaluru; Res. No. 25, 1st Cross, 3rd Main, NTI Layout, Nagasettihalli, Bengaluru 560 094, Tel. Off. (080) 2293 2583, Res. (080) 2341 1129, Mobile: 98801 55726, email: kalyajrao@yahoo.co.in, sp. physical chemistry of amorphous solids & ceramics; phase transitions. **Council Service**: 1998–2003.
- 1993 ***Rao**, Kanury Venkata Subba, b. 1958, Ph.D. (Baroda).
(*Fellowship suspended pursuant to Council's decision)
- 1992 **Rao**, Kaza Kesava, b. 1956, Ph.D. (Houston), Department of Chemical Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2341, Res. (080) 2341 2695, Mobile: 99023 83295, Fax (080) 2360 8121, email: kesava@iisc.ac.in, sp. flow of granular materials; defluoridation of drinking water.

Elected
Year

- 2011 **Rao, Madan**, b. 1960, Ph.D. (IISc), National Centre for Biological Sciences, GKVK Campus, Bellary Road, Bengaluru 560 065, Tel. Off. (080) 2366 6270, Res. (080) 2547 4705, Fax (080) 2363 6662, email: madan@ncbs.res.in, sp. non-equilibrium statistical mechanics; soft condensed matter physics; biological physics; cell & tissue biophysics.
- 1982 **Rao, Maddali Nageswara**, b. 1931, Dr. rer. nat. (Cologne), Res.16931, Tower Ridge, Friendswood, Texas 77546, USA, Tel. (+1-281) 993 9191, email: sitarao@sbcglobal.net, sp. solar system physics; earth & planetary sciences; lunar & meteorite sample studies; Mars fundamental research; water on Mars.
- 1988 **Rao, Manchanahalli Rangaswamy Satyanarayana**, b. 1948, Ph.D. (IISc), FNA, FNASc, FAMS, FTWAS, Honorary Professor & SERB Year of Science Chair Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2754; (080) 2208 2864, Res. (080) 2351 9131, Fax (080) 2208 2758; (080) 2208 2766, email: mrsrao@jncasr.ac.in, sp. molecular biology; cell biology; neuro-oncology; RNA biology. **Council Service:** 2013–15; Vice-President: 2013–15.
- 2013 **Rao, Nittala Venkata Chalapathi**, b. 1969, Ph.D (Osmania & Cantab), FNA, Department of Geology, Banaras Hindu University, Varanasi 221 005, Mobile: 99356 47365, email: nvc100@gmail.com; nvcrao@bhu.ac.in, URL: <http://www.bhu.ac.in/Geology/nvcrao.html>; <http://nvcrao.com>, sp. mineralogy; igneous petrology; mantle geochemistry; geodynamics; mineral resources; EPMA & SEM.
- 1978 **Rao, Palle Rama**, b. 1937, Ph.D. (Banaras), F.Eng. (UK), FNA, FNASc, FNAE, FTWAS, Foreign Member-US Natl. Acad. Engg., International Advanced Research Centre for Powder Metallurgy & New Materials, Hyderabad; Res. Flat 301, Naimisam, Plot No. 22, Srinagar Colony, Hyderabad 500 073, Tel. Off. (040) 2444 3167, Res. (040) 6661 4475, Mobile: 98497 65123, Fax (040) 2444 3168, email: ramaraop37@gmail.com, sp. deformation; fracture; materials development. **Council Service:** 1989–2000; Vice-President: 1992–94; President: 1995–97.
- 1974 **Rao, Paranandi Venkata Suryanarayana**, b. 1936, Ph.D. (Bombay), FNA, FNAE, FNASc, Res. Flat No. 601, Vigyan, Sector 17, Next to Garden, Vashi, Navi Mumbai 400 703, Tel. (022) 3556 3537; (022) 2789 0712, Mobile: 92255 18888, email: dr.pvsrao@gmail.com, sp. computer science & speech research; artificial intelligence; natural language processing; cursive script recognition.

Elected
Year

- 1996 **Rao**, Pendyala Balarama, b. 1938, Ph.D. (Andhra), Honorary Visiting Professor, National Remote Sensing Centre, Building No. 10, Balanagar, Hyderabad 500 037, Tel. Off. (040) 2388 4020, Res. (040) 2300 3888, Mobile: 97047 52569, Fax (040) 2387 7210, email: rao_pb@nrsc.gov.in; pbrao_nmrf@yahoo.co.in, sp. space physics; radio wave propagation; radar systems.
- 2001 **Rao**, Ramachandra Raghavendra, b. 1945, Ph.D. (Mysore), FNA, FNASc, Res. No. C-303, Sharada Nivas, 15th Cross, 6th Main, II Stage, Indira Nagar, Bengaluru 560 038, Mobile: 91132 15570; 94488 52356, email: raocimap@gmail.com, sp. plant taxonomy; ethnobotany; phytogeography; biodiversity & conservation.
- 2014 **Rao**, Ravi Achutha, b. 1954, Ph.D. (TIFR), FNA, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Res. (022) 2430 9827, Mobile: 98333 63678, Fax (022) 2280 4610, email: ravi@math.tifr.res.in, sp. classical algebraic K-theory; commutative algebra; linear algebra.
- 2017 **Rao**, Sumathi, b. 1956, Ph.D. (SUNY, Stonybrook), FNASc, Harish-Chandra Research Institute, Chhatnag Road, Jhusi, Prayagraj 211 019, Tel. Off. (0532) 227 4303, Res. (0532) 227 4002, Mobile: 99355 92313, Fax (0532) 256 7444, email: sumathi@hri.res.in, URL: <http://www.hri.res.in/~sumathi/>, sp. theoretical condensed matter physics; quantum field theory.
- 2010 **Rao**, Taduri Srinivasa Siva Rama Krishna, b. 1954, Ph.D. (ISI), FNASc, Visiting Professor, Ashoka University, Rajiv Gandhi Education City, Sonapat 131 029, Mobile: 74069 10270, email: srin@fulbrightmail.org, sp. mathematics; functional analysis; geometry of Banach spaces.
- 2020 **Rao**, Thota Narayana, b. 1969, Ph.D. (SV Univ.), National Atmospheric Research Laboratory, Gadanki, Tirupati 517 112, Tel. Off. (0877) 250 0560, Mobile: 94413 44578, Fax (08585) 27 2018; (08585) 27 2021, email: tnrao@narl.gov.in; drtnrao2001@gmail.com, sp. radar meteorology; microphysics & dynamics of clouds precipitation; monsoon meteorology.
- 2009 **Rao**, Valipe Ramgopal, b. 1965, Dr-Ingenieur (Germany), FIEEE, FNAE, FNASc, FNA, Director, Indian Institute of Technology–Delhi, Hauz Khas, New Delhi 110 016, Tel. Off. (011) 2659 1701; (011) 2658 2020, Mobile: 98690 34490, Fax (011) 2658 2659, email: director@iitd.ac.in; rrao@iitd.ac.in, URL: <http://www.iitd.ac.in/admn/>, sp. nanoelectronics; nanotechnology.

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- Elected
Year
- 2020 **Rath, Sankar Prasad, b. 1972, Ph.D. (IACS), FNASc, Department of Chemistry, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7251, Res. (0512) 259 8261, Mobile: 94503 46453, Fax (0512) 259 6806, email: sprath@iitk.ac.in, URL: <http://home.iitk.ac.in/~sprath/>, sp. bioinorganic chemistry; physical inorganic chemistry; supramolecular chirogenesis.**
- 1989 **Ratnasamy, Paul, b. 1942, Ph.D. (Madras), FNA, FNASc, FNAE, Res. 4, Lalit Apartments, Gulmohar Park, ITI Road, Aundh, Pune 411 007, Tel. (020) 2589 8058, Mobile: 73500 05192, email: paul_ratnasamy@yahoo.com, sp. catalysis; zeolites; biofuels; industrial chemistry.**
- 2010 **Ravi, Vasanthapuram, b. 1955, MD (JIPMER), FAMS, Department of Neurovirology, National Institute of Mental Health and Neurosciences, Hosur Road, Bengaluru 560 029, Tel. Off. (080) 2699 5126, Res. (080) 2659 7290, Mobile: 93436 02246, Fax (080) 2656 4830, email: virusravi@gmail.com, sp. neurovirology; viral diagnostics; molecular epidemiology of viral infections.**
- 2015 **Ravikanth, Mangalampalli, b. 1966, Ph.D. (IIT, Kanpur), Department of Chemistry, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7176, Res. (022) 2576 8176, Mobile: 98190 84270, Fax (022) 2576 7152, email: ravikanth@chem.iitb.ac.in, URL: www.chem.iitb.ac.in/people/Faculty/prof/mr.html, sp. supramolecular chemistry; co-ordination chemistry; photochemistry.**
- 2012 **Ravindran, Vajravelu, b. 1965, Ph.D. (Madras), The Institute of Mathematical Sciences, IV Cross Road, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3208, Fax (044) 2254 1586, email: ravindra@imsc.res.in, sp. perturbative quantum chromodynamics.**
- 2001 **Ravindranath, Vijayalakshmi, b. 1953, Ph.D. (Mysore), FNA, FNASc, FTWAS, FAMS, Centre for Brain Research, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3588, Res. (080) 2694 2958, Mobile: 90088 85529, email: viji@iisc.ac.in, URL: <http://www.cns.iisc.ernet.in/viji/index.html>, sp. neuroscience; toxicology; pharmacology.**
- 2015 **Ravishankar, Narayanan, b. 1970, Ph.D. (IISc), FRSC, Materials Research Centre, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3255, Res. (080) 4211 3448, Mobile: 94493 49057, Fax (080) 2360 7316, email: nravi@iisc.ac.in; raviisc@gmail.com, URL: <https://nravigroup.github.io/>, sp. nanomaterials; electron microscopy; energy applications.**

Elected
Year

- 1995 **Ray, Deb Shankar**, b. 1954, Ph.D. (Calcutta), FNA, Emeritus Professor, School of Chemical Sciences, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 5374, Res. (033) 2571 2906, Fax (033) 2473 2805, email: pcdrs@iacs.res.in, sp. nonlinear dynamics; nonequilibrium statistical mechanics.
- 2006 **Raychaudhuri, Amitava**, b. 1952, Ph.D. (Maryland), FNA, FNASc, D.Sc. (h.c.), Professor Emeritus, University of Calcutta, 92, Acharya Prafulla Chandra Road, Kolkata 700 009, Tel. Off. (033) 2352 5631, Res. (033) 2473 7519, Mobile: 98312 43624, email: amitavaraychaudhuri@yahoo.com, sp. particle physics.
- 1993 **Raychaudhuri, Arup Kumar**, b. 1952, Ph.D. (Cornell), FNA, FNASc, SERB Distinguished Fellow, CSIR–Central Glass and Ceramic Research Institute, 196, Raja Subodh Chandra Mallick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2334 3341, email: arupraychaudhuri4217@gmail.com, sp. nanosciences & technology; experimental solid state & low temperature physics; instrumentation development. **Council Service:** 1998–2000.
- 820
- 2016 **Raychaudhuri, Pratap**, b. 1971, Ph.D. (TIFR), Department of Condensed Matter Physics & Materials Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2201, Res. (022) 2278 3201, Mobile: 98693 03774, Fax (022) 2280 4610, email: pratap@tifr.res.in, sp. superconductivity magnetism; low temperature scanning tunneling microscopy/spectroscopy; high frequency electrostatics of superconductors.
- 2003 **Reddy, Arjula Ramachandra**, b. 1945, Ph.D. (Osmania), Emeritus Professor, School of Life Sciences, University of Hyderabad, Hyderabad; Res. Apartment No. 1008, Block 9, Rajapushpa Atria, Kokapet, Hyderabad 500 075, Tel. Off. (040) 2313 4750, Res. (040) 6776 8765, Mobile: 97031 01477, email: arjula.rama@gmail.com; arjulsl@yahoo.com, sp. genetics; plant molecular genetics; plant genomics.
- 2020 **Reddy, Manjula**, b. 1965, Ph.D. (JNU), Chief Scientist, CSIR–Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2514, Mobile: 98667 06920, Fax (040) 2716 0310, email: manjula@ccmb.res.in; mreddy65@gmail.com, URL: <https://www.ccmb.res.in/index.php?view=scientist&mid=0&id=63&grpId=27>, sp. bacterial physiology; genetics; biochemistry.

- Elected
Year
- 1991 **Reddy**, Vellenki Umapathi, b. 1939, Ph.D. (Missouri), FNA, FNAE, FIEEE, Res. No. 37, Aparna Orchids, Near HITEX Grounds, Izzatnagar, Kondapur, Hyderabad 500 084, Tel. (040) 2311 4725, Mobile: 98481 35781, email: vur10839@gmail.com, sp. signal processing; communications.
- 2009 **Rindani**, Saurabh Dilsukhray, b. 1952, Ph.D. (IIT, Bombay), FNA, FNASc, INSA Senior Scientist, Theoretical Physics Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4938, Res. (02717) 24 3107, Fax (079) 2631 4900, email: saurabh@prl.res.in; sdrindani@gmail.com, sp. particle physics.
- 1993 **Roy**, Aditya Prasad, b. 1939, Ph.D. (McMaster), Res. Flat No. 16031, Prestige Ferns Residency, Haralur Road, Bengaluru 560 102, Tel. (080) 410 4915, Mobile: 99202 53215, email: aproy11@gmail.com, sp. condensed matter physics.
- 1989 **Roy**, Ashit Baran, b. 1938, Ph.D. (Jadavpur), FNA, Res. Flat No. 3/2G, Niloy Apartment, 46A, Ramanath Das Road, Kolkata 700 031, Tel. (033) 2405 3671, Mobile: 94330 87685, email: ashitbaranroy@gmail.com, sp. Precambrian geology; geology of Indian shield.
- 1989 **Roy**, Probir, b. 1942, M.A. (Cantab), Ph.D. (Stanford), FNA, FNASc, INSA Honorary Scientist, Centre for Astroparticle Physics and Space Science, Bose Institute, Kolkata; Res. CK 147, Sector 2, Bidhan Nagar, Kolkata 700 091, Tel. Res. (033) 4604 6628, Mobile: 94325 97896, email: probirrana@gmail.com, sp. particle & astroparticle physics; field theory; phenomenology.
- 2011 **Roy**, Rahul, b. 1959, Ph.D. (Cornell), Indian Statistical Institute, 7 SJS Sansanwal Marg, New Delhi 110 016, Tel. Off. (011) 4149 3905, Res. (011) 4101 2960, Mobile: 98689 29236, Fax (011) 4149 3981, email: rahul@isid.ac.in, sp. probability & stochastic processes.
- 2009 **Roy**, Rajendra Prasad, b. 1962, Ph.D. (IISc), FNASc, FNA, JC Bose National Fellow, Staff Scientist VII, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2670 3698, Res. (011) 2674 1142, Mobile: 98105 77789, Fax (011) 2616 2125, email: rproy@nii.ac.in, sp. protein chemistry; chemical biology.
- 830
- 1983 **Roy**, Shasanka Mohan, b. 1941, Ph.D. (Princeton), FNA, FNASc, FTWAS, INSA Honorary Scientist, Homi Bhabha Centre for Science Education, V.N. Purav Marg, Mankhurd, Mumbai 400 088, Tel. Off. (022) 2555 4712; (022) 2555 5242, Res. (022) 2788 8961, email: shasanka1@yahoo.co.in, URL: <http://theory.tifr.res.in/~shasanka/>, sp. quantum information; foundations of quantum theory.

Elected
Year

- 1996 **Roy, Siddhartha**, b. 1954, Ph.D. (Delaware), FNA, FTWAS, JC Bose National Fellow, Bose Institute, P1/12, CIT Scheme VII M, Kolkata 700 054, Tel. Off. (033) 2355 9544, Res. (033) 2412 1261, email: sidroykolkata@gmail.com, sp. chemical biology; protein-nucleic acid interaction; peptide therapeutics.
- 2008 **Roy, Sujit**, b. 1959, Ph.D. (IIT, Kanpur), Professor of Chemistry, School of Basic Sciences, Indian Institute of Technology–Bhubaneswar, Argul, Khurda 752 050, Mobile: 94393 65740, email: sroy@iitbbs.ac.in; sujitroy.chem@gmail.com, sp. organometallic chemistry; catalysis for fine chemicals; C–H functionalization; metal-based ayurvedic drugs.
- 2014 **Roy, Syamal**, b. 1954, Ph.D. (Calcutta), FNASc, FNA, Infectious Diseases & Immunology Division, CSIR–Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2499 0395; (033) 2473 3491, Res. (033) 2472 5624, Mobile: 98745 32967, Fax (033) 2473 5197, email: sroy@iicb.res.in; drsyamalroy@yahoo.com, URL: <http://iicb.res.in/divisionwiselistofscientists/id/sroy.html>, sp. immunology; parasitology; vaccine research.
- 2011 **Roy Barman, Sudipta**, b. 1964, Ph.D. (IISc), Scientist G, UGC-DAE Consortium for Scientific Research, Khandwa Road, Indore 452 001, Tel. Off. (0731) 246 3913/123, Res. (0731) 248 7346, Mobile: 98263 36110, Fax (0731) 246 2294, email: barmansr@gmail.com; barman@csr.res.in, sp. electron spectroscopy; surface science; material studies.
- 2014 **Roychoudhury, Susanta**, b. 1955, Ph.D. (Calcutta), FNA, FNASc, Department of Basic & Translational Research, Saroj Gupta Cancer Centre & Research Institute, M G Road, Thakurpukur, Kolkata 700 063, Tel. Off. (033) 2453 2781-83/2115, Res. (033) 2358 1528, Mobile: 94331 02986, Fax (033) 2467 8002, email: susantarc@gmail.com, sp. cancer biology; human genetics; genomics.
- 2020 **Sabu, Mamiyil**, b. 1959, Ph.D. (Calicut), FNA, Emeritus Scientist, Malabar Biotechnical Garden and Institute of Plant Sciences, ZG College Post, Calicut 673 014, Tel. Off. (0495) 243 0939, Res. (0495) 243 1545, Mobile: 94476 36333, Fax (0495) 243 0939, email: msabu9@gmail.com, URL: <http://www.gingersofindia.com>, sp. taxonomy of angiosperms; reproductive biology; anatomy; palynology.

- Elected
Year
- 2012 **Saha**, Bhaskar, b. 1964, Ph.D. (Calcutta), FNASc, Scientist F, National Centre for Cell Science, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2570 8138, Res. (020) 2570 8044, Mobile: 94223 19945, Fax (020) 2569 2259, email: sahab@nccs.res.in, URL: www.nccs.res.in/saha1.html, sp. immunology; signal transduction; parasitology.
- 2010 **Saha-Dasgupta**, Tanusri, b. 1966, Ph.D. (Calcutta), FTWAS, FNASc, Senior Professor, SN Bose National Centre for Basic Sciences, JD Block, Sector 3, Salt Lake, Kolkata 700 106, Tel. Off. (033) 2335 5707, Res. (033) 2324 1232, Mobile: 98312 09592, Fax (033) 2335 3477, email: t.sahadasgupta@gmail.com, URL: http://www.bose.res.in/~tanusri/, sp. condensed matter physics; computational materials science; electronic structure calculations.
- 1987 **Sahni**, Ashok, b. 1941, Ph.D. (Minnesota), FNA, FNASc, FTWAS, Res. 98 Mahatma Gandhi Marg, Lucknow 226 001, Mobile: 99560 29934, email: ashok.sahni@gmail.com, sp. vertebrate palaeontology; palaeobiogeography; electron microscope applications to biomineralization. **Council Service:** April–December 2018.
- 840
- 2001 **Sahni**, Girish, b. 1956, Ph.D. (IISc), FNASc, FNA, CSIR Bhatnagar Fellow, CSIR–Institute of Microbial Technology, Sector 39A, Chandigarh 160 036, Mobile: 98883 71548, email: girishsahni@gmail.com, sp. protein engineering; molecular biology; biotechnology; enzymology.
- 2003 **Sahni**, Varun Bhisham, b. 1956, Ph.D. (Moscow State), FNASc, FNA, FTWAS, Distinguished Professor, Inter-University Centre for Astronomy & Astrophysics, Post Bag 4, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4112, Res. (020) 2560 4406, Fax (020) 2560 4699, email: varun@iucaa.in, sp. general relativity & gravitation; cosmology: dark matter & dark energy; formation of Galaxies; superclusters & voids; cosmic microwave background radiation.
- 2019 **Sahu**, Arvind Kesarilalji, b. 1963, Ph.D. (Delhi), FNASc, FNA, Scientist G, National Centre for Cell Science, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2570 8083, Res. (020) 2986 0522, Fax (020) 2569 2259, Mobile: 94223 20062, email: arvindsahu@nccs.res.in, URL: http://www.nccs.res.in/index.php/TeamMembersC/asahu, sp. complement biology; molecular virology; protein chemistry.

Elected
Year

- 1993 **Saidapur**, Srinivas Kishanrao, b. 1947, Ph.D. (Karnatak), FNA, FNASc, FTWAS, Res. TF-1, Trigunatmika Apartments, Haliyal Road, Near Dasankoppa Circle, Saptapur, Dharwad 580 001, Mobile: 96633 78259, email: saidapur@gmail.com, sp. biology of reproduction; comparative endocrinology; herpetology; animal behaviour.
- 2001 **Salunke**, Dinakar Mashnu, b. 1955, Ph.D. (IISc), FNASc, FNA, FTWAS, Director, International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 2317, Fax (011) 2674 2316, email: director@icgeb.res.in; icgeb.director@gmail.com, sp. structural biology; macromolecular crystallography; immunology; biotechnology.
- 2003 **Samanta**, Anunay, b. 1956, Ph.D. (Jadavpur), FNASc, FNA, JC Bose National Fellow, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4813; (040) 2301 1594, Res. (040) 2301 0715, Mobile: 94404 99681, Fax (040) 2301 1594, email: anunay@uohyd.ac.in; anunay.samanta@gmail.com, URL: <http://chemistry.uohyd.ac.in/~as/>, sp. spectroscopy & dynamics of transient species; charge carrier dynamics in perovskites; photo-processes in ionic liquids & deep eutectic solvents.
- 2010 **Sami**, Mohammad, b. 1955, Ph.D. (Moscow State), FNASc, Director, Centre for Theoretical Physics, Jamia Millia Islamia, Jamia Nagar, New Delhi 110 025, Tel. Off. (011) 2698 4830, Mobile: 99908 40273, Fax (011) 2698 4830, email: msami@jmi.ac.in; samijamia@gmail.com, URL: www.ctp-jamia.res.in/sami, sp. cosmology; higher dimensional gravity; high energy physics.
- 2009 **Sampath**, Srinivasan, b. 1961, Ph.D. (IIT, Madras), FNA, FNAE, FTWAS, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3315, Res. (080) 2351 1974, Mobile: 94837 42993, Fax (080) 2360 6867, email: sampath@iisc.ac.in, URL: <http://ipc.iisc.ac.in/ss.php>, sp. interfacial (electro) chemistry; organic thin films; nanostructured materials; layered chalcogenides; SERS; sensors; fuel cells; supercapacitors.
- 1998 **Sampathkumar**, Echur Varadadesikan, b. 1954, Ph.D. (Bombay), FNASc, FNA, FTWAS, Emeritus Professor, UGC-DAE Consortium for Scientific Research, Mumbai Centre, R-5 Shed, BARC Campus, Trombay, Mumbai 400 085, Mobile: 98921 00402, email: sampathev@gmail.com, sp. magnetism; superconductivity; Kondo lattices; strong electron correlations; geometrical frustration; spin-chain behaviour; multiferroics.

- Elected
Year
- 1987 **Sane**, Prafullachandra Vishnu, b. 1937, Ph.D. (Alberta), FNA, FNASc, Principal Adviser, Agri Biotech (R&D), Jain Irrigation System Ltd, Jalgaon; Res. C-739/B, Sector C, Mahanagar Extension, Lucknow 226 006, Tel. (0522) 495 2323, email: rajsane@hotmail.com; saneraj@rediffmail.com, sp. plant bio-chemistry; plant molecular biology; photosynthesis.
- 850
- 2018 **Sane**, Sanjay Prafullachandra, b. 1970, Ph.D. (Univ. Calif., Berkeley), National Centre for Biological Sciences, GKVK Campus, Bengaluru 560 065, Tel. Off. (080) 2366 6020, Res. (080) 4097 0586, Mobile: 87627 06145, email: sane@ncbs.res.in, URL: www.ncbs.res.in/sane, sp. neuroethology; biomechanics; fluid mechanics.
- 2010 **Sane**, Sharad Sadashiv, b. 1950, Ph.D. (IIT, Bombay), Chennai Mathematical Institute, SIPCOT IT Park, Siruseri, Kelambakkam, Chennai 603 103, Mobile: 99695 60519, email: sharadsane@gmail.com, sp. finite geometries; design theory; graph theory.
- 1999 **Sanjappa**, Munivenkatappa, b. 1951, Ph.D. (Baroda), FNA, FNASc, INSA Senior Scientist, Mahatma Gandhi Botanical Garden, University of Agricultural Sciences, GKVK, Bengaluru; Res. 504, Block C-7, Kendriya Vihar, Ballari Road, Yelahanka, Bengaluru 560 064, Mobile: 99720 35160, email: sanjappam@ymail.com; drmsanjappa@gmail.com, sp. plant taxonomy & conservation.
- 2016 **Sanjay Kumar**, b. 1965, Ph.D. (Banaras), Department of Physics, Banaras Hindu University, Varanasi 221 005, Tel. Res. (0542) 257 5896, Mobile: 94515 85427, Fax (0542) 236 8390, email: ksanjay@bhu.ac.in; yashankit@yahoo.com, URL: http://www.bhu.ac.in/science/physics/skumar.php, sp. statistical physics; condensed matter theory; biological physics.
- 2002 **Sankara Rao**, Kolluri, b. 1939, Ph.D. (Bangalore), Distinguished Fellow, Centre for Ecological Sciences, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2506; (080) 2293 2786/261, Res. (080) 2341 1148, Mobile: 98453 39826, Fax (080) 2360 0814, email: shankarrao@iisc.ac.in; sankara.kolluri@gmail.com, sp. plant developmental biology; biotechnology; biodiversity informatics & plant systematics.
- 2020 **Sankaran**, Mahesh, b. 1967, Ph.D. (Syracuse), National Centre for Biological Sciences, GKVK Campus, Bengaluru 560 065, Tel. Off. (080) 2366 6220, Mobile: 96633 18733, email: mahesh@ncbs.res.in, URL: https://www.ncbs.res.in/faculty/mahesh, sp. climate change; ecosystem ecology; savanna ecology.

Elected
Year

- 2007 **Sankaran**, Parameswaran, b. 1959, Ph.D. (Calgary), FNASc, FNA, Chennai Mathematical Institute, H1 SIPCOT IT Park, Siruseri, Kelambakkam 603 103, Tel. Off. (044) 7196 1022, Res. (044) 4266 2275, Mobile: 99401 39682, email: sankaran@cmi.ac.in, URL: www.imsc.res.in/~sankaran, sp. topology & Lie groups.
- 2010 **Sankaranarayanan**, Rajan, b. 1968, Ph.D. (IISc), FNA, FNASc, Group Leader, CSIR–Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2832, Res. (040) 2717 1504, Mobile: 98664 97744, Fax (040) 2716 0591, email: sankar@ccmb.res.in, URL: http://e-portal.ccmb.res.in/e-space/sankar/people.html, sp. structural biology; translation of the genetic code; enzyme mechanisms.
- 2017 **Sankararaman**, Sethuraman, b. 1957, Ph.D. (Victoria), Department of Chemistry, Indian Institute of Technology–Madras, Chennai 600 036, Tel. Off. (044) 2257 4210, Res. (044) 2257 6210, Mobile: 94443 85211, Fax (044) 2257 0545; (044) 2257 4202, email: sankar@iitm.ac.in, URL: http://chem.iitm.ac.in/faculty/sankararaman/, sp. synthetic & mechanistic organic chemistry; organometallic chemistry; organic photochemistry.
- 2017 **Sanyal**, Kaustuv, b. 1969, Ph.D. (Jadavpur), FNA, FNASc, Molecular Biology & Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2878, Res. (080) 2362 7661, Mobile: 94498 10323, Fax (080) 2208 2766, email: sanyal@jncasr.ac.in; wwwsanyal@gmail.com, URL: http://jncasr.ac.in/sanyal/, sp. eukaryotic chromosome segregation; epigenetic regulation by histone variants; genetics & genomics of fungal pathogens.
- 860
- 2001 **Sanyal**, Milan Kumar, b. 1954, Ph.D. (Bombay), FNA, FNASc, FTWAS, SN Bose National Centre for Basic Sciences, Kolkata; ICMS, JN Centre for Advanced Scientific Research, Bengaluru; Emeritus Professor, Saha Institute of Nuclear Physics, 1/AF, Bidhan Nagar, Kolkata 700 064, Tel. Off. (033) 2321 4763, Res. (033) 2321 5453, Mobile: 98742 35010, Fax (033) 2337 4637, email: milank.sanyal@saha.ac.in; milank.sanyal@bose.res.in; milank.sanyal@gmail.com, URL: http://bose.res.in/~milank.sanyal/, sp. condensed matter physics; surface physics; synchrotron X-ray scattering; quantum materials.
- 2010 **Sarin**, Apurva, b. 1962, Ph.D. (JNU), Director, Institute for Stem Cell Biology and Regenerative Medicine (inStem), GKVK Campus, Bellary Road, Bengaluru 560 065, Tel. Off. (080) 2366 6080, Fax (080) 2366 6462, email: sarina@instem.res.in; sarina@ncbs.res.in, sp. immunology; cell biology; apoptosis.

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Year
- 2000 **Sarin**, Manmohan, b. 1951, Ph.D. (Gujarat), FNA, FNASc, SERB Distinguished Fellow, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4939, Res. (079) 2685 8711, Mobile: 94267 27301, Fax (079) 2631 4900, email: sarin@prl.res.in; manmohan_sarin@yahoo.com, sp. atmospheric & aerosol chemistry; chemical oceanography.
- 2005 **Sarin**, Shiv Kumar, b. 1952, D.M. (AIIMS), MD (SMS Jaipur), FNA, FNASc, FAMS, Director, Institute of Liver and Biliary Sciences, D1, Vasant Kunj, New Delhi 110 070, Tel. Off. (011) 4630 0000, Res. (011) 2687 3563, Fax (011) 2612 3504, email: shivsarin@gmail.com, sp. hepatology.
- 2012 **Sarkar**, Anindya, b. 1959, Ph.D. (PRL), FNA, Department of Geology & Geophysics, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 3392, Res. (03222) 28 3393, Mobile: 94340 43377, Fax (03222) 28 2268, email: anindya@gg.iitkgp.ernet.in, sp. stable isotope geochemistry; palaeoclimatology; geochronology.
- 1999 **Sarkar**, Chitra, b. 1955, MD (AIIMS), FRC (Path) (London), FNASc, FAMS, FNA, JC Bose National Fellow, President, All India Institute of Medical Sciences, Kalyani; Head, Department of Pathology & Dean (Research), All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 3371, Res. (011) 2658 8390, Mobile: 98101 81945, Fax (011) 2658 8663, email: sarkar.chitra@gmail.com, sp. neuropathology. **Council Service:** 2013–15.
- 2007 **Sarkar**, Debi Prasad, b. 1958, Ph.D. (Calcutta), FNASc, FNA, JC Bose National Fellow, Department of Biochemistry, University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021, Tel. Off. (011) 2411 1967, Res. (011) 2411 3869, Mobile: 98106 96767, email: dpsarkar59@gmail.com; debi.sarkar@south.du.ac.in, sp. biochemistry; molecular virology; cell biology; biotechnology; membrane biology.
- 1990 **Sarkar**, Pranab Kumar, b. 1939, Ph.D. (Calcutta), FNA, INSA Honorary Scientist, Division of Neurobiology, CSIR–Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 3491/707, Res. (033) 2337 2927, Mobile: 94330 60022, Fax (033) 2473 0284, email: pk_sarkar@hotmail.com; sarkarpk@gmail.com, sp. thyroid hormones & brain development; molecular biology & endocrinology; neuro-degenerative diseases.

Elected
Year

- 1997 **Sarkar**, Sabyasachi, b. 1947, Ph.D. (Gorakhpur), Honorary Distinguished Professor, Nanoscience & Synthetic Leaf Cell, Applied Chemistry, Ramakrishna Mission Vidyamandira, Belurmath, Howrah 711 202, Tel. Off. (033) 2668 6464, Mobile: 94151 27635; 98305 62156. email: abya@iitk.ac.in; protozyme@gmail.com, URL: <http://home.iitk.ac.in/~abya/>, sp. metallo-proteins; atherosclerosis; graphene; lifecycle bioimaging, drug-encapsulation & delivery; harvesting earth's radiant energy.
- 2008 **Sarkar**, Utpal, b. 1956, Ph.D. (Calcutta), FNA, FNASc, Visiting Professor, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Mobile: 98985 86326, email: utpal@phy.iitkgp.ac.in; 870 utpal.sarkar.prl@gmail.com, sp. particle & astroparticle physics.
- 1993 **Sarma**, Dipankar Das, b. 1955, Ph.D. (IISc), FNA, FNASc, FTWAS, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 7576; (080) 2293 2945, Res. (080) 2360 3061, Fax (080) 2360 1310, email: sarma@iisc.ac.in; sarma.dd@gmail.com, URL: <http://sscu.iisc.ac.in/people/DDSarma/>, sp. strongly interacting electron systems; disordered systems; nanomaterials; energy materials. **Council Service:** 2016–18.
- 2015 **Sarma**, Vedula Venkata Subrahmanya Srinivasa, b. 1969, Ph.D. (Goa), National Institute of Oceanography, Regional Centre, 176, Lawsons Bay Colony, Visakhapatnam 530 017, Tel. Off (0891) 253 9180, Res. (0891) 274 4799, Mobile: 98484 57779, Fax (0891) 254 3595, email: sarmav@nio.org, sp. biogeochemistry; stable isotopes; remote sensing.
- 1969 **Sasisekharan**, Visvanathan, b. 1933, Ph.D. (Madras), FNA, FNASc, Res. c/o Prof. Ram Sasisekharan, Department of Biological Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139, USA, Tel. (+1-781) 538 4045, email: sasi@mit.edu, sp. molecular biophysics.
- 2013 **Sastry**, Garikapati Narahari, b. 1966, Ph.D. (Hyderabad), FNASc, JC Bose National Fellow, Head, Centre for Molecular Modelling, CSIR–Indian Institute of Chemical Technology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 3016, Res. (040) 2705 0272, Mobile: 99635 82996; 94408 02802, Fax (040) 2716 0512, email: gnsastry@gmail.com; gnsastry@iict.res.in, URL: 203.199.182.73/gnsmmg/, sp. computational chemistry; theoretical chemistry; computer-aided drug design.

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Year

- 2002 **Sastry, Murali**, b. 1959, Ph.D. (IIT, Madras), Chief Executive Officer, IITB-MONASH Research Academy, Indian Institute of Technology, Mumbai; Res. A20, Spring Flowers, Panchavati, Pashan Road, Pune 411 008, Tel. Off. (022) 2576 4731, Res. (020) 2589 3952, Mobile: 98197 14731, email: murali.sastry@iitbmonash.org, sp. surface physics; hybrid materials; nano materials; nano biotechnology.
- 2009 **Sastry, Srikanth**, b. 1964, Ph.D. (Boston), FNASc, FNA, Theoretical Sciences Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2838, Fax (080) 2208 2928; (080) 2208 2766, email: sastry@jncasr.ac.in, URL: <http://www.jncasr.ac.in/sastry>, sp. statistical mechanics; liquids; glass transition; glasses & other structurally arrested matter.
- 2010 **Satheesh, Sreedharan Krishnakumari**, b. 1970, Ph.D. (Kerala), FNA, FNASc, FTWAS, Divecha Centre for Climate Change & Centre for Atmospheric and Oceanic Sciences, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3070, Res. (080) 2357 0274, Mobile: 94483 60274, Fax (080) 2360 0865, email: satheesh@iisc.ac.in; profsks@gmail.com, URL: <http://dccc.iisc.ac.in/sks.html>, sp. aerosols; radiation; climate.
- 1990 **Sathyamurthy, Narayanasami**, b. 1951, Ph.D. (Oklahoma State), FNA, FTWAS, Honorary Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru; Res. A306 GCorp Mahalakshmi Apartments, 23A Cross, 3rd Main, Sahakarnagar, Bengaluru 560 092, Tel. Off. (080) 2208 2750, Mobile: 97791 44905, email: nsathyamurthy@gmail.com, sp. molecular reaction dynamics & theoretical chemistry; atomic & molecular clusters; atoms & molecules in a confined environment. **Council Service:** 2001–2006.
- 1974 **Satya Prakash**, b. 1929, Ph.D. (Gujarat), FNA, FNASc, Res. c/o Meena Rajgopal, 53 Sarah Way, Concord, MA 01742, USA, email: sprakash_prl@yahoo.com, sp. planetary, atmospheric & space plasmas.
- 2020 **Saurabh, Saket**, b. 1980, Ph.D. (HBNI), Professor H, Theoretical Computer Science Group, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3213, Mobile: 97890 18975, email: saket@imsc.res.in; saket.sa@gmail.com, URL: <https://sites.google.com/view/sakethome>, sp. theoretical computer science; graph algorithms & graph theory; parameterized complexity.

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- 1993 **Savithri**, Handanahal Subbarao, b. 1951, Ph.D. (IISc), FNA, FNASc, JC Bose National Fellow, NASI Senior Scientist, Department of Biochemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2310, Res. (080) 2337 2981, Mobile: 94483 79380, Fax (080) 2360 0814, email: hss@alumni.iisc.ac.in; hssavithri@gmail.com, sp. plant molecular virology; protein chemistry; enzymology.
- 1993 **Saxena**, Rajiv Krishna, b. 1951, Ph.D. (AIIMS), FNA, FNASc, JC Bose National Fellow, Professor Emeritus, Faculty of Life Sciences & Biotechnology, South Asian University, Akbar Bhawan, Chanakyapuri, New Delhi 110 021, Tel. Off. (011) 2419 5297, Res. (011) 6502 8822, Mobile: 99100 48241, Fax (011) 2412 2511, email: rajivksaxena@hotmail.com; rksaxena@southasianuniversity.org, URL: www.rajivsaxena.info, sp. immunology; toxicology; nanoparticles; hematopoiesis.
- 1994 **Sebastian**, Kizhakeyil Lukose, b. 1950, Ph.D. (IISc), FNA, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bengaluru; Department of Chemistry, Indian Institute of Technology Palakkad, Ahalia Integrated Campus, Kozhippara P.O, Palakkad 678 557, Tel. Off. (04923) 22 6511, Mobile: 96329 28096, email: kls@iitpkd.ac.in; klsiisc@gmail.com, URL: http://ipc.iisc.ernet.in/~kls, sp. theoretical chemistry. **Council Service:** 2016–18; Vice-President: 2016–18.
- 1995 **Sen**, Abhijit, b. 1946, Ph.D. (Tennessee), FNA, FNASc, Emeritus Professor & INSA Senior Scientist, Institute for Plasma Research, Bhat, Gandhinagar 382 428, Tel. Off. (079) 2396 2048; (079) 2396 9023, Res. (079) 2692 6749, Mobile: 98250 51578, Fax (079) 2396 9016, email: abhijit@ipr.res.in; senabhijit@gmail.com, sp. plasma physics; nonlinear dynamics; free electron lasers. **Council Service:** 2010–12.
- 1991 **Sen**, Ashoke, b. 1956, Ph.D. (SUNY, Stony Brook), FNA, FNASc, FRS, Harish-Chandra Research Institute, Chhatnag Road, Jhusi, Prayagraj 211 019, Tel. Off. (0532) 227 4302, Res. (0532) 227 4002, Fax (0532) 256 9576, email: sen@hri.res.in, sp. superstring theory.
- 2001 **Sen**, Diptiman, b. 1959, Ph.D. (Princeton), FNA, FNASc, Centre for High Energy Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2974, Res. (080) 2360 7073, Fax (080) 2360 0683, email: diptiman@iisc.ac.in, URL: http://chep.iisc.ac.in/Personnel/pages/diptiman/index.html, sp. theoretical condensed matter physics; quantum field theory.

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Year
- 1992 **Sen, Kalidas**, b. 1948, Ph.D. (IIT, Kanpur), FNA, INSA Senior Scientist, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4809, Mobile: 96520 09749, Fax (040) 2301 2460, email: kalidas.sen@gmail.com; kds77@uohyd.ac.in, sp. electronic structure theory; density functional theory & confined systems; information theory; statistical complexity, quantum model screened Coulomb potentials.
- 2018 **Sen, Ranjan**, b. 1967, Ph.D. (Calcutta), FNA, FNASc, Staff Scientist VII, Laboratory of Transcription, Centre for DNA Fingerprinting and Diagnostics, Inner Ring Road, Uppal, Hyderabad 500 039, Tel. Off. (040) 2721 6103, Res. (040) 2715 8703, Mobile: 98661 22652, Fax (040) 2721 6006, email: rsen@cdfd.org.in, URL: http://www.cdfd.org.in/labpages/ranjan_sen.html, sp. microbiology.
- 2007 **Sen, Sandeep**, b. 1962, Ph.D. (Duke), FNA, Department of Computer Science & Engineering, Indian Institute of Technology–Delhi, New Delhi 110 016, Tel. Off. (011) 2659 1293, Res. (011) 2659 1605, Mobile: 98681 14462, Fax (011) 2658 1060, email: ssen@cse.iitd.ac.in, URL: www.cse.iitd.ac.in/~ssen, sp. sequential & parallel algorithms; probabilistic analysis & randomization; computational geometry.
- 2012 **Sengupta, Krishnendu**, b. 1970, Ph.D. (Maryland), FNASc, Department of Theoretical Physics, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/2192, Mobile: 98301 78500, Fax (033) 2473 2805, email: tpks@iacs.res.in; ksengupta1@gmail.com, sp. condensed matter theory.
- 890
- 2011 **Sengupta, Pulak**, b. 1963, Ph.D. (Jadavpur), FNA, Coordinator, Center of Advanced Study, Department of Geological Sciences, Jadavpur University, Kolkata 700 032, Mobile: 97483 59495, email: pulaksg@gmail.com, sp. metamorphic petrology; Precambrian geology; geochemistry.
- 2017 **Sengupta, Sagar**, b. 1968, Ph.D. (IISc), FNASc, FNA, Staff Scientist VII, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2670 3786; (011) 2671 5025, Fax (011) 2674 2125, email: sagar@nii.ac.in, URL: <http://www1.nii.res.in/research/sagar-sengupta>, sp. cancer biology; cell signalling; mitochondrial biology.
- 2006 **Sengupta, Surajit**, b. 1962, Ph.D. (IISc), Professor I, Tata Institute of Fundamental Research, 36/P, Gopanpally, Hyderabad 500 107, Tel. Off. (040) 2020 3089, email: surajit@tifrh.res.in, sp. condensed matter physics; statistical mechanics; materials science.

Elected Year	
2020	Senthilkumaran , Balasubramanian, b. 1965, Ph.D. (Banaras), FNA, FNASc, Department of Animal Biology, School of Life Sciences, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4562, Res. (040) 2301 1854, Mobile: 94401 40637; 94402 46518, Fax (040) 2301 0120, email: senthilkumaranb@yahoo.com; senthilkumaranbalasubramanian@gmail.com, URL: http://sls.uohyd.ac.in/new/fac_details.php?fac_id=71 , sp. reproductive biology; molecular endocrinology; endocrine toxicology.
1971	Seshadri , Conjeevaram Srirangachari, b. 1932, Ph.D. (Bombay), FNA, FNASc, FRS, Director-Emeritus, Chennai Mathematical Institute, H1, SIPCOT IT Park, Siruseri, Kelambakkam, Chennai 603 103, Tel. Off. (044) 7196 1021, Res. (044) 2446 4572, Mobile: 94440 87810, Fax (044) 2747 0225, email: css@cmi.ac.in, sp. algebraic geometry.
1986	Sethunathan , Nambrattil, b. 1937, Ph.D. (Madras), FNA, FNAAS, FNASc, Res. Flat No. 103, Ushodaya Apartments, Sri Venkateswara Officers' Colony, Ramakrishnapuram, Secunderabad 500 056, Tel. (040) 2799 0758, email: sethunathan@hotmail.com, sp. environmental microbiology.
2003	Shah , Nimish Arun, b. 1967, Ph.D. (TIFR), FNASc, Department of Mathematics, The Ohio State University, Columbus, OH 43210, USA, Tel. Off. (+1-614) 292 5088, Fax (+1-614) 292 1479, email: shah@math.osu.edu, URL: https://people.math.osu.edu/shah.595/ , sp. ergodic theory; Lie groups; number theory.
2005	Shaha , Chandrima, b. 1952, Ph.D. (Calcutta), FNA, FNASc, Professor of Eminence, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 1501, Res. (011) 2674 2528, Mobile: 99584 20001, email: cshaha@nii.ac.in; cshaha0@gmail.com, URL: http://www1.nii.res.in/research/chandrima-shaha , sp. cell biology & biochemistry. Council Service: 2013–15.
1993	Shaila , Melkote Subbarao, b. 1945, Ph.D. (IISc), Professor Emeritus, Department of Microbiology & Cell Biology, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2702, Mobile: 98451 89481, Fax (080) 2360 2697, email: shaila@iisc.ac.in, sp. molecular virology & viral immunology.
2004	Shanbhag , Bhagyashri Achut, b. 1950, Ph.D. (Karnatak), FNA, FNASc, Res. FF4, Trigunatmika Apartments, Haliyal Road, Saptapur, Dharwad 580 001, Mobile: 94481 84536, email: bhagyashrishanbhag@gmail.com, sp. comparative endocrinology & reproduction (vertebrates); herpetology; animal behaviour.
900	

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Year
- 2011 **Shankar**, Doraiswamy, b. 1967, Ph.D. (Goa), FNASc, CSIR–National Institute of Oceanography, Dona Paula, Goa 403 004, Tel. Off. (0832) 245 0312, Res. (0832) 246 4516, Mobile: 94233 19557, email: shankar@nio.org; dshankar67@gmail.com, sp. tropical ocean dynamics; ecosystem dynamics; ocean–atmosphere interaction; monsoons.
- 2012 **Sharma**, Amit Prakash, b. 1968, Ph.D. (Northwestern), FNASc, Group Leader & Staff Scientist, International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 1731, Res. (011) 2613 8674, Mobile: 98101 11336, email: amit.icgeb@gmail.com, sp. structural biology; malaria; protein translation.
- 2002 **Sharma**, Anurag, b. 1955, Ph.D. (IIT, Delhi), FNA, FNASc, FNAE, Department of Physics, Indian Institute of Technology–Delhi, New Delhi 110 016, Tel. Off. (011) 2659 1350, Res. (011) 2659 1929; (011) 2686 7022, Mobile: 98183 55884, email: asharma@physics.iitd.ac.in, sp. fibre & integrated optics; gradient-index optics; applied optics.
- 1999 **Sharma**, Ashutosh, b. 1961, Ph.D. (SUNY, Buffalo), FTWAS, FNA, FNAE, FNASc, Secretary, Department of Science and Technology, Technology Bhavan, New Mehrauli Road, New Delhi 110 016, Tel. Off. (011) 2651 1439; (011) 2651 0068, Res. (011) 2688 1228, Fax (011) 2686 3847, email: ashutos@iitk.ac.in, URL: www.iitk.ac.in/che/as.htm; http://www.dst.gov.in/profile-prof-ashutosh-sharma, sp. soft nanotechnology & micro/nano-fabrication; nano-mechanics; thin films & self-organization; functional interfaces; colloid & interface science; carbon nanomaterials, devices & composites in health, energy and environment. **Council Service:** 2013–15.
- 1974 **Sharma**, Man Mohan, b. 1937, Ph.D. (Cantab), D.Sc. (h.c.), D.Engg. (h.c.), L.L.D. (h.c.), FNA, FRS, Emeritus Professor, Institute of Chemical Technology, Mumbai; Res. 2/3, Jaswant Baug, Runwal Park, behind Akbarally, V.N. Purav Marg, Chembur, Mumbai 400 071, Tel. (022) 2529 1539; (022) 2529 6876, email: profmsharma@gmail.com, sp. multiphase reactions/reactors; separations. **Council Service:** 1986–88.
- 1989 **Sharma**, Ram Swaroop, b. 1937, Ph.D. (Basel), FNA, Res. 70/36, Pratapnagar, Sector 7, Sanganer (RHB), Jaipur 302 033, Tel. (0141) 279 0317, Mobile: 94148 88025, email: sharma.r.sw@gmail.com, sp. metamorphic petrology; mineralogy; Precambrian geology.

Elected
Year

- 1990 **Sharma**, Rameshwar Prasad, b. 1940, Ph.D. (IARI/Agra), FNA, FNASc, FNAAS, INSA Emeritus Scientist, National Research Centre on Plant Biotechnology, Indian Agricultural Research Institute, New Delhi; Res. C-II-204, Eldeco Ananda Apartments, Sector 48, Noida 201 301, Mobile: 98106 78220, email: rpsnrcpb@yahoo.co.in, sp. developmental genetics; mutagenesis; molecular biology; biotechnology.
- 2003 **Sharma**, Shobhona, b. 1953, Ph.D. (TIFR), FNA, INSA Honorary Scientist, Institute of Chemical Technology, Mumbai; Res. 1103 A, Tulsigagan Building, Plot No. 28 & 29, Sector 21, Kharghar, Navi Mumbai 410 210, Tel. (022) 2774 3426, Mobile: 98923 52830, email: shobhona@gmail.com; sharma@tifr.res.in, sp. molecular parasitology; parasite immunology; parasite metabolism.
- 2010 **Sharma**, Surendra Kumar, b. 1951, MD (PGIMER, Chandigarh), Ph.D. (AIIMS), FNASc, FNA, JC Bose National Fellow, Res. E-18, Basement South Extension Part-1, New Delhi 110 049, Mobile: 98990 88092, email: sksharma.aiims2@gmail.com, sp. internal medicine; pulmonary & critical care & sleep medicine; infectious diseases; environmental medicine.
- 2008 **Sharma**, Surinder Mohan, b. 1952, Ph.D. (Bombay), FNASc, FNA, Res. C-32, Building No. 27, Kendriya Vihar Cooperative Housing Society, Sector 38, Nerul (W), Navi Mumbai 400 706, Mobile: 98197 67483, email: smsharma09@gmail.com, sp. condensed matter physics under high pressures; synchrotron beamlines; molecular dynamics & first principles calculations.
- 910
- 2000 **Sharma**, Yagya Dutta, b. 1951, Ph.D. (Rohilkhand), FNA, FNASc, Res. C-65, Golf View Apartments, Saket, New Delhi 110 017, Mobile: 98108 44106, email: ydsharma_aiims@yahoo.com; ydsharma@hotmail.com, sp. molecular biology; molecular malariology; protein chemistry.
- 2008 **Sharma**, Yogendra, b. 1959, Ph.D. (Calcutta), FNASc, FNA, JC Bose National Fellow, CSIR–Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2561, Res. (040) 2970 7204, Mobile: 99086 30358, Fax (040) 2716 0591, email: yogendra@ccmb.res.in; yogen.ccmb@gmail.com, URL: <http://www.ccmb.res.in/staff/yogendra/yogendra.html>, sp. bio-physics; biochemistry; protein structure & function; calcium-binding proteins.

- Elected
Year
- 1988 **Shashidhar**, Ranganathan, b. 1946, Ph.D. (Mysore), Senior Vice-President, Polestar Technologies Inc., 220-3, Reservoir Street, Needham Heights, MA 02494 USA, Tel. Off. (+1-703) 615 1023, Res. (+1-703) 303 6904, email: rshashidhar@polestartech.com; nathan.shash@gmail.com, sp. liquid crystals; nanoscience, nanotechnology & nanostructured materials; molecular & organic electronics; infectious diseases; sensors & detectors for CB agents & explosives; biofuel cells; medical diagnostic devices; RF sensors for gas vapor detection.
- 2007 **Shashidhara**, Lingadahalli Subrahmanya, b. 1963, Ph.D. (Cambridge), FNA, FNASc, Ashoka University, Sonapat; Indian Institute of Science Education and Research–Pune, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8001, Res. (020) 2588 3086, Mobile: 98234 32303, Fax (020) 2589 9790, email: ls.shashidhara@ashoka.edu.in, sp. developmental biology; evolution; genetics.
- 1988 **Shastri**, B Sriram, b. 1950, Ph.D. (Bombay), FNA, FNASc, FTWAS, Distinguished Professor, Department of Physics, University of California, Santa Cruz, CA 95064, USA, Tel. Off. (+1-831) 459 5849, Fax (+1-831) 459 3043, email: sriram@physics.ucsc.edu, URL: physics.ucsc.edu/~sriram/sriram.html, sp. strongly correlated fermi systems; quantum integrable systems.
- 1975 **Shastri**, Sishta Venkata Seetharama, b. 1928, Ph.D. (Wisconsin), FNA, Res. Ashoka, 204, Gautami Apartments, Barkatpura, Hyderabad 500 027, Tel. (040) 2755 1666, sp. cytogenetics; taxonomy; plant breeding; rice development.
- 2007 **Shenoi**, Sadananda Satheesh Chandra, b. 1958, Ph.D. (Cochin), FNASc, Director, Indian National Centre for Ocean Information Services, Ocean Valley, Pragati Nagar (BO), Nizampet P.O., Hyderabad 500 090, Tel. Off. (040) 2389 5000, Mobile: 94410 13377, email: shenoi@incois.gov.in; shenoi1958@gmail.com, sp. physical oceanography; ocean–atmosphere interaction; satellite oceanography.
- 1992 **Shenoy**, Subodh Raghunath, b. 1947, Ph.D. (Yale), Tata Institute of Fundamental Research, 36/P Gopanpally, Hyderabad 500 107, Tel. Off. (040) 2020 3090, Mobile: 99491 98515, Fax (040) 2020 3105, email: subodhrshenoy@tifrh.res.in; subodhrshenoy@gmail.com, sp. condensed matter physics; statistical physics.

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Year
- 2013 **Shenoy**, Vijay Balakrishna, b. 1971, Ph.D. (Brown), Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2888, Res. (080) 2360 5620, Mobile: 94490 55620, Fax (080) 2360 2315, email: shenoy@iisc.ac.in, URL: <http://www.physics.iisc.ernet.in/~shenoy/>, sp. condensed matter theory; strongly correlated systems; cold atom physics.
- 1998 **Shetty**, Hunthrike Shekar, b. 1944, Ph.D. (Mysore), FNAAS, FNASc, Life-time Honorary Distinguished Professor, Department of Studies in Applied Botany & Biotechnology, University of Mysore, Manasagangotri, Mysore 570 006, Tel. Off. (0821) 241 4666, Res. (0821) 251 5666, Mobile: 94498 37566, email: hss_uom@hotmail.com; hss@appbot.uni-mysore.ac.in, sp. seed biology; seed pathology & technology; molecular plant pathology; biotechnological approaches to plant disease management.
- 1992 **Shetye**, Satish Ramnath, b. 1950, Ph.D. (Washington), FNA, FNASc, Res. Yashoda, No. C-14/162, Tonca, Caranzalem, Panaji, Goa 403 002, Tel. (0832) 246 1660, Mobile: 90110 56605, email: satishrshetye@gmail.com, sp. physical oceanography. **Council Service:** 1998–2003.
- 2011 **Shivaji**, Sisinthy, b. 1950, Ph.D. (Delhi), FNASc, Director, Prof. Brien Holden Eye Research Centre, LV Prasad Eye Institute, LV Prasad Marg, Banjara Hills, Hyderabad 500 034, Tel. Off. (040) 3061 2534, Res. (040) 2717 1268, Mobile: 98496 50285, Fax (040) 2354 8271, email: shivas@lvpei.org, sp. antimicrobial resistance; gut microbiome & eye diseases; conservation biology; mammalian sperm function; bacterial biodiversity of cold habitats; cold adaptation.
- 1985 **Shivanna**, Kundaranahalli Ramalingaiah, b. 1940, Ph.D. (Delhi), FNA, FNAAS, FNASc, Res. Odekar Farms, Nandihalli, via Thovinakere, Tumkur 572 138, Mobile: 94495 43848, email: shivanna@atree.org; shivannakr40@gmail.com, sp. pollen biology; reproductive ecology; conservation biology.
- 2010 **Shivashankar**, Ganaganor Visweswara, b. 1968, Ph.D. (Rockefeller), Deputy Director, Mechanobiology Institute & IFOM-NUS Chair Professor, National University of Singapore, 5A Engineering Drive 1, Singapore 117 411, Singapore, email: shiva.gvs@gmail.com, sp. biophysics; cell biology; gene expression.
- 1985 **Shorey**, Tarlok Nath, b. 1945, Ph.D. (Bombay), FNA, FNASc, Adjunct Faculty, National Institute of Advanced Studies, Indian Institute of Science campus, Bengaluru 560 012, Tel. Off. (080) 2218 5112, Res. (080) 4956 2205, email: tarloknathshorey@gmail.com, sp. theory of numbers.

Elected
Year

- 1974 **Shrikhande**, Sharadchandra Shankar, b. 1917, Ph.D. (North Carolina), FNA, FNASc, Chinmaya Vijaya Orphanage, Kaza Village, Mangalagiri Mandal, Guntur 522 503, Mobile: 77024 20555, email: drssshrik@yahoo.com, sp. combinatorial mathematics & graph theory.
- 2012 **Shukla**, Ashok Kumar, b. 1947, Ph.D. (IIT, Kanpur), FNA, FNASc, FNAE, Professor Emeritus, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2795, Res. (080) 2337 4075, Mobile: 94482 74075, Fax (080) 2360 1310, email: akshukla2006@gmail.com, sp. materials electrochemistry; fuel cells; batteries & supercapacitors.
- 1993 **Shyamasundar**, Rudrapatna Kallikote, b. 1950, Ph.D. (IISc), FNA, FNASc, FTWAS, FNAE, FIEEE, JC Bose National Fellow and Distinguished Visiting Professor, Department of Computer Science and Engineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7708, Res. (022) 2572 0001, Fax (022) 2572 3480, Mobile: 98183 20188; 99871 30188, email: shyamsundar@gmail.com; rkss@cse.iitb.ac.in, URL: <https://www.cse.iitb.ac.in/~rkss/>, sp. specification & verification; real-time & logic programs; mobile computing; computer & information security. **Council Service:** 2013–15.
- 2018 **Siddavattam**, Dayananda, b. 1957, Ph.D. (SV Univ.), FNASc, FNA, Department of Animal Biology, School of Life Sciences, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4578, Mobile: 98498 85348, Fax (040) 2301 0120, email: sds@uohyd.ernet.in; siddavattam@gmail.com, sp. environmental microbiology; biodegradation; bioremediation.
- 2008 **Siddiqi**, Imran, b. 1957, Ph.D. (Oregon), FNA, Scientist, CSIR–Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2570, Res. (040) 2715 8119, Mobile: 98666 33195, Fax (040) 2716 0591, email: imran@ccmb.res.in; imransiddi@gmail.com, sp. genetics; plant development; genetic recombination. **Council Service:** 2019–.
- 930
- 2012 **Sikdar**, Sujit Kumar, b. 1957, Dr.Med.Sci. (Kyushu), Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2844; (080) 2293 3220, Res. (080) 2341 1580, Fax (080) 2360 0535, email: sks@iisc.ac.in, sp. cellular neurophysiology; ion channels physiology, pharmacology & biophysics; calcium dynamics; *in vitro* neuronal networks.

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Year
- 1990 **Sikka**, Satinder Kumar, b. 1942, Ph.D. (Bombay), FNA, FNASc, Res. No. 538, Sector 17, Faridabad 121 002, Tel. (0129) 408 6016, Mobile: 99588 57056, email: sksikka42@gmail.com, sp. high pressure physics; X-ray & neutron diffraction; band theory; nuclear explosions.
- 1991 **Simon**, Rajjah, b. 1948, Ph.D. (IISc), FNA, SERB Distinguished Fellow, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3120, Mobile: 82203 33595, Fax (044) 2254 1586, email: simon@imsc.res.in, sp. quantum & classical optics; quantum information science; foundations of quantum theory.
- 2001 **Singh**, Anil Kumar, b. 1952, Ph.D. (IIT, Kanpur), FNASc, Adjunct Professor & Visiting Fellow, Institute of Chemical Technology, Mumbai; Res. A-1603, Lake Primrose, Lake Homes, Powai, Mumbai 400 076, Tel. (022) 2847 1761, Mobile: 98207 47167, email: retinal@chem.iitb.ac.in, sp. organic chemistry; bio-organic chemistry; photochemistry; photobiology.
- 1989 **Singh**, Balwant, b. 1940, Ph.D. (Bombay), FNA, Emeritus Professor, UM-DAE Centre for Excellence in Basic Sciences, Mumbai; Res. 105, Vaigyanik Society, Plots 58-59, Sector 14, Vashi, Navi Mumbai 400 703, Tel. Res. (022) 2788 2238, Mobile: 98924 50089, email: balwantbagga@gmail.com, sp. algebraic geometry; commutative algebra.
- 1974 **Singh**, Bam Bahadur, b. 1938, Ph.D. (Shrivenham, UK), FNASc, D-7, Fair Lawn, V.N. Purav Marg, Chembur, Mumbai 400 071, Tel. Off. (022) 2204 9723, Res. (022) 2520 7210, Mobile: 98210 05336, Fax (022) 2204 0664, email: drbbsingh@mtnl.net.in; drbbsingh2010@gmail.com, sp. radiation biology; biophysics; intellectual property rights; nuclear & constitutional laws & medical ethics.
- 2013 **Singh**, Bhim, b. 1956, Ph.D. (IIT, Delhi), FNASc, FNAE, FIEEE, FNA, Department of Electrical Engineering, Indian Institute of Technology–Delhi, New Delhi 110 016, Tel. Off. (011) 2659 1045, Res. (011) 2659 1890, Mobile: 98115 02125, Fax (011) 2658 1606, email: bsingh@ee.iitd.ac.in; bhimsinghr@gmail.com, sp. power electronics, renewable energy generation.
- 2007 **Singh**, Harkesh Bahadur, b. 1956, Ph.D. (Lucknow & Aston), FNASc, FNA, JC Bose National Fellow, Department of Chemistry, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off.(022) 2576 7190, Res. (022) 2577 0675, Mobile: 93238 40676, Fax (022) 2572 3480, email: chhbsia@chem.iitb.ac.in, sp. main group chemistry; organo-chalcogen chemistry; organometallic chemistry.

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Year

- 1985 **Singh**, Jamuna Sharan, b. 1941, Ph.D. (Banaras), FNA, FNASc, FTWAS, Professor Emeritus, Department of Botany, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 236 8399, Res. (0542) 257 0120, Mobile: 93351 78355, Fax (0542) 236 8174, email: jssingh@bhu.ac.in; singh.js1@gmail.com, sp. plant ecology; ecosystems analysis; eco-physiology.
- 2000 **Singh**, Kulinder Pal, b. 1952, Ph.D. (Bombay), FNASc, FNA, Department of Physical Sciences, Indian Institute of Science Education and Research, Mohali; Res. 28A, Bank Colony, Patiala 147 001, Mobile: 90048 38965, email: kulinderpal@gmail.com, sp. X-ray instrumentation for astronomy; active galactic nuclei; hot interstellar & intracluster medium; stellar coronae; cataclysmic variables & binary X-ray sources.
- 2020 **Singh**, Maya Shankar, b. 1960, Ph.D. (Banaras), FNA, FNASc, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 236 8127, Res. (0542) 236 9983, Mobile: 94153 72614, Fax (0542) 236 8127, email: mayashankarbhu@gmail.com; mssingh@bhu.ac.in, URL: <http://www.bhu.ac.in/science/chemistry/mssingh.php>, sp. organic synthesis methodology; chemistry of α -Ketodithioesters & related systems; visible-light mediated photocatalytic reactions.
- 2008 **Singh**, Mewa, b. 1951, Ph.D. (Mysore), FNA, FNASc, SERB Distinguished Fellow, Life-Long Distinguished Professor, Institute of Excellence, Vijnana Bhavan, University of Mysore, Manasagangotri, Mysore 570 006, Tel. Off. & Fax (0821) 241 9372, Res. (0821) 295 2327, Mobile: 94486 03506, email: mewasinghltm@gmail.com; msingh@psychology.uni-mysore.ac.in, URL: <http://www.uni-mysore.ac.in/dr-mewa-singh/>, sp. animal behaviour; wildlife ecology; sociobiology.
- 1994 **Singh**, Randhir, b. 1944, Ph.D. (Panjab Agri. Univ.), FNA, FNASc, FNAAS, Director General, Doon Valley Group of Institutes, Sector 17, Outside Jundla Gate, Karnal 132 001, Tel. Off. (0184) 227 0060-61, Fax (0184) 225 4670, Mobile: 82954 21000, email: randhirbiotech@yahoo.com, sp. plant biochemistry & biotechnology.
- 1988 **Singh**, Rishi Narain, b. 1943, Ph.D. (Banaras), FNA, Visiting Professor, Indian Institute of Technology, Gandhinagar; Res. No. 202, Block 9, IIT Campus, Palaj, Gandhinagar 382 355, Mobile: 93463 52339, email: rnsingh@iitgn.ac.in; rshiprema@gmail.com, sp. geophysics; geophysical, environmental & earth system modelling.

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Year

- 1993 **Singh**, Sarva Jit, b. 1939, Ph.D. (Kurukshetra), FNA, FNASc, Res. 22A, Navyug Adarsh Apartments, F Block, Vikas Puri, New Delhi 110 018, Tel. (011) 2854 9222, Mobile: 93122 50454, email: s_j_singh@yahoo.com, sp. theoretical seismology; applied mathematics.
- 2016 **Singh**, Sunil Kumar, b. 1971, Ph.D. (PRL), Director, CSIR–National Institute of Oceanography, Dona Paula, Goa 403 004, Tel. Off. (0832) 245 0500, Mobile: 96070 17855, Fax (0832) 245 0602, email: sunil@nio.org, URL: <https://www.prl.res.in/~sunil/>, sp. low temperature elemental & isotope geochemistry; biogeochemistry of trace elements & isotopes; earth surface & ocean processes.
- 1994 **Singh**, Tej Pal, b. 1944, Ph.D. (IISc), D.Sc.(h.c.), FNA, FNASc, FTWAS, SERB Distinguished Fellow, Department of Biophysics, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2658 8931, Res. (0120) 454 5295, Mobile: 93122 49508; 99538 30047, Fax (011) 2658 8663, email: tpsingh.aiims@gmail.com, URL: <https://www.aiims.edu/en/faculty-staff.html?id=715>, sp. X-ray crystallography; protein structures; peptide design; drug discovery;.
- 2005 **Singh**, Vinod Kumar, b. 1959, Ph.D. (Baroda), D.Sc.(h.c.), FNA, FNASc, FTWAS, Department of Chemistry, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7291, Res. (0512) 259 8429, Mobile: 99811 44455, email: vinodks@iitk.ac.in, sp. synthetic organic chemistry.
- 1970 **Singh**, Virendra, b. 1938, Ph.D. (UC Berkeley), FNA, FNASc, FTWAS, Res. 51, New Cosmos, Juhu-Versova Link Road, Andheri (West), Mumbai 400 053, Tel. (022) 2671 6681, email: vsingh1937@gmail.com, URL: <http://theory.tifr.res.in/~vsingh/>, sp. theoretical physics; quantum mechanics; history & philosophy of science. **Council Service:** 1977–82.
- 1991 **Singh**, Yashwant, b. 1944, D.Phil. (Calcutta), FNA, FNASc, INSA Senior Scientist, Department of Physics, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 670 1562, Mobile: 94159 91459, Fax (0542) 236 8468, email: ysingh@bhu.ac.in; singh.yas44@gmail.com, sp. condensed matter physics; statistical mechanics; biological physics.
- 2011 **Singh**, Yogendra, b. 1957, Ph.D. (Delhi), FNASc, FNA, JC Bose National Fellow, Department of Zoology, University of Delhi, Delhi 110 007, Mobile: 98710 95673, email: ysinghdu@gmail.com, sp. bacterial pathogenesis; biochemistry; cell biology.

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Year

- 1986 **Singhi**, Navin Kumar Madhavprasad, b. 1949, Ph.D. (Bombay), FNA, Res. 1601, Montreal Tower, Shastri Nagar, Lokhandwala, Andheri (West), Mumbai 400 053, Mobile: 93241 11460, email: nikhavin@gmail.com, sp. discrete mathematics; designs & finite geometries.
- 2000 **Singhvi**, Ashok Kumar, b. 1950, Ph.D. (IIT, Kanpur), FNA, FNASc, FTWAS, SERB Year of Science Chair Professor, Physical Research Laboratory, Ahmedabad; Res. B-31, Shakti Enclave, Satya Marg, Bodakdev, Ahmedabad 380 054, Tel. (079) 2685 5831, Mobile: 90990 61962, email: 2aksprl11@gmail.com, sp. Quaternary geochronology; earth surface processes; past climates; tectonics; radiation effects in minerals.
- 1974 **Sinha**, Akhoury Purnendu Bhusan, b. 1928, Ph.D. (London), FNA, Res. 1260, Brighton Avenue, No. 202, Albany, California 94706, USA, email: apbsinha@yahoo.com, Tel. (+1-510) 990 6601, sp. solid state materials.
- 2020 **Sinha**, Alok Krishna, b. 1969, Ph.D. (Banaras), FNA, FNASc, Staff Scientist VII, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2673 5188, Res. (011) 2673 5142, Mobile: 98684 74090, Fax (011) 2674 1658, email: alok@nipgr.ac.in, URL: http://www.nipgr.ac.in/research/dr_asinha.php, sp. plant molecular biology; plant biochemistry; plant physiology.
- 2004 **Sinha**, Bikash Chandra, b. 1945, Ph.D. (London), D.Sc. (London), FNA, FNASc, FTWAS, INSA Senior Scientist, Variable Energy Cyclotron Centre, 1/AF, Bidhan Nagar, Kolkata 700 064, Tel. Off. (033) 2337 0032, Res. (033) 2475 2206, Fax(033) 2334 6871, email: bikash@vecc.gov.in, sp. nuclear physics; high energy physics; quark gluon plasma; early universe cosmology; nuclear medicine; helium from thermal springs.
- 1986 **Sinha**, Kalyan Bidhan, b. 1944, Ph.D. (Rochester), FNA, FTWAS, Professor Emeritus, Indian Statistical Institute, Bengaluru; INSA Senior Scientist & Honorary Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2997, Res. (080) 2366 5608, Mobile: 99001 44612, email: kbs@jncastr.ac.in, sp. spectral theory of operators; non-commutative geometry; stochastic processes. **Council Service:** 1992–97, 2010–12; Vice-President: 1995–97, 2010–12.

Elected
Year

- 1971 **Sinha**, Krityunjai Prasad, b. 1929, Ph.D. (Pune & Bristol), FNA, FNASc, INSA Honorary Scientist, Indian Institute of Science, Bengaluru; Res. Sterling Residency, D-105, RMV II Stage, Dollars Colony, Bengaluru 560 094, Tel. Res. (080) 2351 8553, email: kritpsinha@gmail.com; kpsin03@yahoo.com, sp. solid state & theoretical physics; complex systems & non-equilibrium quantum coupling; low-energy nuclear reactions; condensed matter nuclear science.
- 2000 **Sinha**, Pratima, b. 1952, Ph.D. (TIFR), FNASc, Res. D7/9 SF, Exclusive Floors, DLF City Phase 5, Gurugram 122 009, Tel. (0124) 403 8150, Mobile: 99104 64794, email: pratima.sinha12@gmail.com, sp. molecular genetics of yeast; molecular biology.
- 1999 **Sinha**, Somdatta, b. 1951, Ph.D. (JNU), FNA, FNASc, Adjunct Professor, Indian Institute of Science Education and Research, Kolkata; Visiting Professor, Ashoka University, Rajiv Gandhi Education City, Sonapat 131 029, Mobile: 89687 44849, email: somdattasinha@gmail.com, sp. theoretical biology; complex systems in biology; nonlinear dynamics; computational biology.
- 960 **Council Service:** 2007–12.
- 2003 **Sinha**, Subrata, b. 1958, MD (AIIMS), Ph.D. (MRC, UK), FNA, FNASc, FAMS, Department of Biochemistry, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 4483; (011) 2658 9617, Res. (011) 2696 6586, Mobile: 98119 01376, Fax (011) 2658 8641, email: sub_sinha@hotmail.com; sub_sinha2004@yahoo.co.in, sp. molecular oncology & immunology; neurobiology of dyslexia.
- 2010 **Sinha**, Sudeshna, b. 1962, Ph.D. (TIFR), FNA, FTWAS, Indian Institute of Science Education and Research–Mohali, Sector 81, Knowledge City, Manauli P.O., SAS Nagar 140 306, Tel. Res. (0172) 224 0019, Mobile: 99156 62755, email: sudeshna@imsc.res.in; sudeshna@iisermohali.ac.in, URL: <http://14.139.227.202/Faculty/sudeshna/>, sp. nonlinear dynamics; chaos; complex systems; dynamical networks.
- 1991 **Sitaram**, Alladi, b. 1947, Ph.D. (Washington), Res. 2B, Clairmont Apartments, 12, Rest House Crescent, Bengaluru 560 001, Tel. (080) 2558 6103, Mobile: 98441 29153, email: sitaram.alladi@gmail.com, sp. harmonic analysis on Euclidean spaces & on Lie groups. **Council Service:** 2001–03.

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Year
- 1990 **Sitaramam**, Vetury, b. 1946, M.B.B.S. (Madras), Ph.D. (IISc), Res. No. 18, S. No. 245, Anant Co-operative Housing Society, Aundh, Pune 411 067, Tel. (020) 2729 7808, Mobile: 98600 03258, email: sitaramamv@gmail.com, sp. bioenergetics; biomembranes; biochemistry.
- 1992 **Sivaram**, Swaminathan, b. 1946, Ph.D. (Purdue), D.Sc (h.c., Purdue), FNA, FNASc, FTWAS, FNAE, Honorary Professor & INSA Senior Scientist, Indian Institute of Science Education and Research–Pune, Dr Homi Bhabha Road, Pune 411 008, Tel. Off. (020) 2590 8434, Res. (020) 4120 5731, Mobile: 98607 99954, email: s.sivaram@iiserpune.ac.in; sivaramswaminathan01@gmail.com, URL: <http://www.swaminathansivaram.in>, sp. polymer chemistry & technology; polymer surfaces & interfaces; structured polymers; polymers for energy applications. **Council Service:** 2007–12; Vice-President: 2007–12.
- 1995 **Sivasanker**, Subramanian, b. 1944, Ph.D. (Madras), Res. C-6, Phase-3, Dakshin Avenue, Unamancheri, Kolapakkam 600 127, Mobile: 98401 03865, email: ssivasanker@yahoo.com; ssivasanker@gmail.com, sp. industrial catalysis; petroleum refining & petrochemical production; green chemistry.
- 2008 **Somasundaram**, Kumaravel, b. 1962, Ph.D. (MKU), FNASc, FNA, FAMS, Department of Microbiology & Cell Biology, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 7171, Mobile: 98808 54150, Fax (080) 2360 2697, email: skumar1@iisc.ac.in; ksomasundaram1@gmail.com, sp. cancer biology; genetics & virology.
- 2006 **Sonti**, Ramesh Venkata, b. 1960, Ph.D. (Utah), FNASc, FNAAS, FNA, Director, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 2267, Mobile: 94410 55295, Fax (011) 2674 1759, email: director@nipgr.ac.in; rameshvsonti@gmail.com, sp. plant-microbe interactions; plant genetics; bacterial genetics.
- 1991 **Sood**, Ajay Kumar, b. 1951, Ph.D. (IISc), FNA, FNASc, FTWAS, FRS, Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 2238; (080) 2293 2964, Fax (080) 2360 2602, email: asood@iisc.ac.in; asood1951@gmail.com, URL: www.physics.iisc.ac.in/~asood/, sp. Raman spectroscopy; time resolved ultrafast spectroscopy; nanosystems: graphene, nanotubes; physics of soft condensed matter. **Council Service:** 2001–15; Secretary: 2001–06; Treasurer: 2007–09; President: 2010–12.

Elected Year	
1992	Sopory , Sudhir Kumar, b. 1948, Ph.D. (Delhi), FNA, FNASc, FNAAS, FTWAS, SERB Distinguished Fellow, International Centre for Genetic Engineering and Biotechnology, New Delhi; Res. No. 584, Sector 14, Faridabad 121 001, Tel. (0129) 222 2208, Mobile: 98114 31741, email: sopory@hotmail.com, sp. molecular plant physiology; plant tissue culture & transformation. Council Service: 2001–06.
970	
2013	Souradeep , Tarun, b. 1967, Ph.D. (Pune), Indian Institute for Science Education and Research, Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8383, Res. (020) 2560 4407, Mobile: 94226 44463, Fax (020) 2560 4699, email: tarun@iiserpune.ac.in; tarun.souradeep@gmail.com, URL: www.iucaa.in/~tarun, sp. cosmology; high energy physics; early universe.
2010	Sowdhamini , Ramanathan, b. 1964, Ph.D. (IISc), FNA, Associate Professor, National Centre for Biological Sciences, GKVK Campus, Bellary Road, Bengaluru 560 065, Tel. Off. (080) 2366 6250, Res. (080) 2366 6473, Mobile: 93425 99179, Fax (080) 2363 6662, email: mini@ncbs.res.in, URL: http://caps.ncbs.res.in, sp. structural bioinformatics; protein domain superfamilies; genome-wide survey & function annotation of genes.
2020	Sreenivasan , Binod, b. 1972, Ph.D. (Cambridge), Centre for Earth Sciences, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3470; (080) 2293 3401, Res. (080) 2360 0553, Mobile: 94518 03296, Fax (080) 2293 3405, email: bsreeni@iisc.ac.in; binod.sreeni@gmail.com, URL: http://ceas.iisc.ernet.in/~bsreeni/, sp. earth & planetary magnetism; dynamo theory; magnetohydrodynamics.
2008	Srianand , Raghunathan, b. 1969, Ph.D. (Utkal), Scientist H, Inter-University Centre for Astronomy & Astrophysics, Post Bag 4, Ganeshkhind, Pune University Campus, Pune 411 007, Tel. Off. (020) 2560 4220, Res. (020) 2560 4412, Fax (020) 2560 4699, email: anand@iucaa.in, sp. QSO spectroscopy; cosmology; structure formation.
1989	Sridharan , Asuri, b. 1937, D.Sc. (IISc), Ph.D. (Purdue), FNA, FNAE, Res. No 40, West Park Road, Malleswaram, Bengaluru 560 003, Tel. (080) 2334 1046, Mobile: 98458 06379, email: sridharanasuri1937@gmail.com, sp. engineering properties of clays & clay mineralogy; foundation engineering.

Elected
Year

- 1995 **Sridharan**, Rajagopal, b. 1948, Ph.D. (Gujarat), FNASc, NASI Honorary Scientist, Physical Research Laboratory, Navarangpura, Ahmedabad 380 009, Tel. Res. (079) 2675 1361, Mobile: 94291 99824, email: r_sridharan777@yahoo.co.in; sridharan@prl.res.in, sp. solar terrestrial physics; space physics; optical aeronomy; planetary atmospheres.
- 1975 **Sridharan**, Ramaiyengar, b. 1935, Ph.D. (Columbia), FNA, FNASc, Adjunct Professor, Chennai Mathematical Institute, H1, SIPCOT IT Park, Siruseri, Kelambakkam, Chennai 603 103, Tel. Off. (044) 2747 0227/1231, Res. (044) 2451 1692, email: rsridhar@cmi.ac.in, sp. algebra.
- 1994 **Srinivas**, Vasudevan, b. 1958, Ph.D. (Chicago), FNA, FNASc, FTWAS, Distinguished Professor, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2217, Res. (022) 2280 4966, Fax (022) 2280 4610, email: srinivas@math.tifr.res.in, sp. algebraic geometry; algebraic *K*-theory; commutative algebra.
- 1984 **Srinivasan**, Ganesan, b. 1942, Ph.D. (Chicago), Res. 190, I Main Road, I Block, BEL Layout, Vidyanarayapura, Bengaluru 560 097, Mobile: 96118 39690, email: gsrini1942@gmail.com, sp. condensed matter physics; statistical physics; astrophysics. **Council Service:** 1986–2003; Secretary: 1986–88; Editor of Publications: 1989–94; Treasurer: 1995–2003.
- 1992 **Srinivasan**, Jayaraman, b. 1947, Ph.D. (Stanford), FNA, FNAE, Distinguished Scientist, Divecha Centre for Climate Change, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3068, Res. (080) 2331 4998, Fax (080) 2293 3425, email: jayes@iisc.ac.in, sp. climate science & solar energy. **Council Service:** 2007–15; Secretary: 2007–12; Treasurer: 2013–15.
- 980
- 1985 **Srinivasan**, Mandakolathoor Subrahmanya, b. 1938, Ph.D. (Wellington), FNA, FNASc, FTWAS, Emeritus Professor, Department of Geology, Banaras Hindu University, Varanasi; Res. 42/4, HIG Flats, Kabir Nagar, Durgakund, Varanasi 221 005, Tel. Off. (0542) 230 7310, Res. (0542) 231 1887, Mobile: 94505 31962, Fax (0542) 236 8174, email: mssrinivasan@rediffmail.com, sp. micropalaeontology; palaeoceanography; marine geology.

Elected
Year

- 2007 **Srinivasan**, Narayanaswamy, b. 1962, Ph.D. (IISc), FNASc, Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2837, Res. (080) 6717 6473, Mobile: 93421 07047, Fax (080) 2360 0535, email: ns@iisc.ac.in; iiscsrinivasan@gmail.com, sp. protein functions, structures & evolution; bioinformatics in genomics; metabolism & signal transduction.
- 1975 **Srinivasan**, Ramaswami, b. 1931, Ph.D. (Madras), Res. 143, V Cross, III Main Road, I Stage, Vijayanagar Extension, Mysuru 570 017, Mobile: 98804 00475, email: rsvmys@gmail.com, sp. lattice dynamics; cryogenics; laser cooling of atoms.
- 1992 **Srinivasan**, Ramaswamiah, b. 1943, Ph.D. (Mysore), FNA, FNASc, Senior Researcher, Divecha Centre for Climate Change, Indian Institute of Science, Bengaluru; Res. 114, Kshitija, Ramanashree Nagar, SOS Post, Bannerghatta Road, Bengaluru 560 076, Tel. Off. (080) 2293 3426, Res. (080) 2643 2614, Mobile: 96323 19090, Fax (080) 2360 0865, email: srinimalu@gmail.com, sp. Precambrian geology; Archaean sedimentation; tectonics; stratigraphy; palaeobiology; geochemistry.
- 1998 **Srivastava**, Deepak Chandra, b. 1956, Ph.D. (ISM, Dhanbad), FNA, FNASc, Department of Earth Sciences, Indian Institute of Technology-Roorkee, Roorkee 247 667, Tel. Off. (01332) 28 5558, Mobile: 94563 81281, email: dpkesfes@gmail.com; dpkesfes@iitr.ac.in, sp. structural geology & fluid inclusions. **Council Service:** 2019–.
- 2011 **Srivastava**, Rajesh Kumar, b. 1961, Ph.D. (Banaras), FNASc, Head, Centre for Advanced Study, Department of Geology, Institute of Science, Banaras Hindu University, Varanasi 221 005, Mobile: 94158 12079, email: rajeshgeolbhu@gmail.com; rajeshgeolbhu@bhu.ac.in, sp. igneous petrology; geochemistry; Precambrian geodynamics.
- 1958 **Subba Rao**, Bokinakere Ramakrishnaiya, b. 1925, Ph.D. & D.Sc. (Mysore), Res. 29, Oswald Road, London SW17, UK, Tel. (+44-20) 8767 7121, email: raosubba@yahoo.com, sp. entomology; taxonomy of Chalcidoidea; biological control.
- 1985 **Subba Rao**, Ganugapati Sree Rama, b. 1937, Ph.D. (Manchester), D.Sc. (Andhra), FNA, INSA Honorary Scientist, Department of Organic Chemistry, Indian Institute of Science, Bengaluru; Res. 1A, Pradhan Apartments, 16/5, 18th Cross, Malleswaram, Bengaluru 560 055, Tel. Res. (080) 2346 6430, Mobile: 98863 10603, email: gsr@s@iisc.ac.in; gsr@s@iisc.ac.in; gsr@s@iisc.ac.in, sp. synthetic & mechanistic organic chemistry; natural products chemistry.

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Year
- 1974 **Subbarao**, Eleswarapu Chinna, b. 1928, Ph.D. (Penn. State), FNA, FNAE, Res. Daamini, 6 Pallod Farms, Baner Road, Pune 411 045, email: ecsubbarao@gmail.com, sp. materials science; renewable energy; R&D management.
- 1991 **Subbarao**, Kaigala Venkata, b. 1942, Ph.D. (SV Univ.), Res. B-403, Mahindra Ashvita Apartment Complex, Sy. No. 78/2 & 78/3, Near Hitech MMTS Railway Station, Hafeezpet Village, Hyderabad 500 085, Tel. (040) 6581 3178, Mobile: 99896 64093, email: kvsbbarao_iitb@yahoo.co.in, sp. volcanology; igneous petrology; palaeomagnetism; natural history.
- 1993 **Subrahmanya**, Chelur Ramachandra, b. 1948, Ph.D. (Bombay), Emeritus Professor, Raman Research Institute, C.V. Raman Avenue, Bengaluru 560 080, Mobile: 87623 86088, email: crs@rri.res.in, sp. real time signal processing for radio telescopes; observational cosmology; satellite orbit estimation.
- 2018 **Subrahmanyam**, Ravi, b. 1960, Ph.D. (IISc), FNASc, Director, Raman Research Institute, CV Raman Avenue, Bengaluru 560 080, Tel. Off. (080) 2361 1012, Mobile: 97406 04339, Fax (080) 2361 0492, email: rsubrahm@rri.res.in; subrahmanyam.ravi@gmail.com, URL: http://www.rri.res.in/aa_ravisubrahmanyam.html, sp. radio astronomy; observational cosmology.
- 2014 **Subramaniam**, Annapurni, b. 1968, Ph.D. (Bangalore), FNASc, Indian Institute of Astrophysics, Sarjapur Road, Bengaluru 560 034, Tel. Off. (080) 2254 1354, Res. (080) 2553 2088, Mobile: 98451 71233, Fax (080) 2553 4043, email: purni@iiap.res.in, URL: <http://www.iiap.res.in/people/personnel/purni/index.html>, sp. star clusters; stellar evolution; stellar population; nearby galaxies, galactic dynamics; Astrosat mission & UV studies; developmental activities of thirty meter telescope.
- 2019 **Subramaniam**, Kuppuswamy, b. 1964, Ph.D. (IISc), Department of Biotechnology, Indian Institute of Technology-Madras, Chennai 600 036, Tel. Off. (044) 2257 4119, Res. (044) 2257 6119, Mobile: 94454 36062, Fax (044) 2257 4102, email: subbu@iitm.ac.in, URL: <https://biotech.iitm.ac.in/index.php/k-subramaniam/>, sp. developmental biology; genetics; cell biology.
- 1972 **Subramanian**, Dubagunta, b. 1931, Ph.D. (Madras), Res. Flat No. 401, Abode Admire, Plot No. 886-890, Defence Colony, Sainikpuri, Secunderabad 500 094, Tel. (040) 2711 7164, Mobile: 95738 19165, email: subramaniansakku@gmail.com, sp. plant physiology & pathology; biochemistry; microbiology & biotechnology.

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Year

- 2010 **Subramanian**, Kandaswamy, b. 1957, Ph.D. (TIFR), Distinguished Professor & Dean, Visitor Academic Programmes, Inter-University Centre for Astronomy and Astrophysics, Post Bag 4, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4101, Res. (020) 2560 4410, Mobile: 80073 24440, Fax (020) 2560 4699, email: kandu@iucaa.in, sp. cosmic magnetic fields; structure formation; cosmology.
- 1989 **Subramanian**, Sankaran, b. 1942, Ph.D. (Leicester), FNA, Res. 2/3A, Ayodhya Colony, First Street, Velachery, Chennai 600 042, Tel. (044) 2243 0942, Mobile: 95001 12796, email: subukannan@gmail.com, sp. NMR; EPR; theoretical chemistry; magnetic resonance imaging.
- 2014 **Subramanian**, Venkatesan, b. 1962, Ph.D. (Madras), FNASc, Chief Scientist, Chemical Laboratory, CSIR–Central Leather Research Institute, Adyar, Chennai 600 020, Tel. Off. (044) 2443 7150; (044) 2441 1630, Res. (044) 2238 3031, Mobile: 98402 64151, Fax (044) 2491 2150, email: subbu@clri.res.in; subuchem@hotmail.com, URL: <http://www.clri.res.in/subramanian/index.html>, sp. computational chemistry; non-covalent interactions; functional and nanomaterials; biomolecular simulations.
- 2017 **Sujith**, Raman Pillai Indusekharan Nair, b. 1967, Ph.D. (Georgia Inst. Tech.), FNAE, Department of Aerospace Engineering, Indian Institute of Technology–Madras, Chennai 600 036, Tel. Off. (044) 2257 4012, Res. (044) 2257 6012, Mobile: 90030 67438, Fax (044) 2257 4002, email: sujith@iitm.ac.in, URL: <http://www.ae.iitm.ac.in/~sujith/>, sp. thermoacoustic instability; complex systems theory.
- 1974 **Sukh Dev**, b. 1923, Ph.D. (Panjab), D.Sc. (IISc), D.Sc. (h.c.), FNA, FTWAS, Res. 120, ISCON Mega City, Bhavnagar 364 001, Tel. (0278) 649 9072, email: sdlala1924@gmail.com, sp. organic chemistry; synthesis; natural products; drug discovery.
- 1000
- 1986 **Sukhatme**, Suhas Pandurang, b. 1938, Sc.D. (MIT), FNA, FNASc, FNAE, Professor Emeritus, Indian Institute of Technology–Bombay, Mumbai; Res. 2-A/8-C, Anjaneya Co-op. Housing Society, Orchard Avenue, Opp. Hiranandani Foundation School, Powai, Mumbai 400 076, Tel. (022) 2570 1052, email: spsiitb@yahoo.co.uk; sukhatme@iitb.ac.in, sp. heat transfer; solar energy. Council Service: 1998–2000.

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Year
- 2000 **Sukumar**, Raman, b. 1955, Ph.D. (IISc), FNA, FNASc, FTWAS, JC Bose National Fellow, Centre for Ecological Sciences, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 0382; (080) 2293 3102, Res. (080) 4091 4760, Mobile: 94482 75600, Fax (080) 2360 2280, email: rsuku@iisc.ac.in, URL: <http://ces.iisc.ac.in/rsukumar>, sp. wildlife ecology; forest ecology; climate change.
- 1999 **Sundar**, Chakram Sampathkumaran, b. 1952, Ph.D. (Madras), FNASc, FNA, JC Bose National Fellow, Materials Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam 603 102, Tel. Off. (044) 2748 0069, Res. (044) 2748 1192, Mobile: 97905 22807, Fax (044) 2748 0081, email: css@igcar.gov.in, sp. condensed matter physics & materials science; experimental techniques of positron annihilation spectroscopy; infrared spectroscopy.
- 2005 **Sundar**, Shyam, b. 1953, MD (Banaras), FNASc, FAMS, FNA, FRCP, FTWAS, Professor of Medicine, Institute of Medical Sciences, Banaras Hindu University, Varanasi; Res. 6, S K Gupta Nagar, Lanka, Varanasi 221 005, Tel. Off. (0542) 236 9632, Res. (0542) 236 7795, Mobile: 94530 48500, Fax (0542) 236 7568, email: drshyamsundar@hotmail.com; drshyamsundar53@gmail.com, sp. infectious diseases; visceral leishmaniasis; HIV-AIDS.
- 2013 **Sundar Rajan**, Balaji, b. 1958, Ph.D. (IIT, Kanpur), FIEEE, FNA, FNASc, FNAE, Department of Electrical Communication Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2855, Res. (080) 2360 2085, Mobile: 98459 88753, Fax (080) 2360 0563, email: bsrajan@ece.iisc.ernet.in, URL: <http://www.ece.iisc.ernet.in/~bsrajan/index.html>, sp. wireless communication; information & coding theory; network coding; signal processing & algorithms for communications.
- 1965 **Sundaram**, Subramania, b. 1930, M.Sc. (Tech.), FRSC, Res. 3B, Raghava Apartments, 41C (New No. 66), Beach Road, Kalakshetra Colony, Chennai 600 090, Tel. (044) 2490 1565, Mobile: 94440 51565, email: sundaram.chennai@gmail.com, sp. textile technology; chemical plant & synthetic fibre technology.
- 1992 **Sundararajan**, Govindan, b. 1953, Ph.D. (Ohio State), FNA, FNASc, FNAE, Distinguished Emeritus Scientist, ARCI, Hyderabad; Department of Metallurgical & Materials Engineering, Indian Institute of Technology–Madras, Chennai 600 036, Tel. Off. (044) 2257 4759, Fax (044) 2257 4752, email: gsundararajan@iitm.ac.in; gsundar@arci.res.in, sp. surface engineering; development of novel coating technologies; high temperature deformation & fracture; high strain rate deformation; ballistic penetration. **Council Service:** 2013–15; Vice-President: 2013–15.

- Elected
Year
- 2020 **Sundaresan**, Athinarayanan, b. 1963, Ph.D. (IIT, Mumbai), Chemistry & Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2824, Res. (080) 2362 2218, Mobile: 98800 02184, email: sundaresan@jncasr.ac.in, URL: <http://www.jncasr.ac.in/sundaresan/>, sp. superconductivity; magnetism; multiferroics.
- 1995 **Sunder**, Ramasubbu, b. 1953, Ph.D. (Kiev), Research Director, BISS Division, ITW India (P) Ltd, 41A, 1st A Cross, AECS 2nd Stage, RMV Extension II, Bengaluru 560 094, Tel. Off. (080) 2836 0184, Res. (080) 2341 4133, Fax (080) 2836 0047 email: rs@biss.in, sp. fatigue & fracture testing for strength & endurance; durability & performance of materials; materials and structural test technology.
- 1992 **Sunder**, Viakalathur Shankar, b. 1952, Ph.D. (Indiana), FNASc, FNA, Res. E1, Block III, Shivani Apartments, 40, East Coast Road, Thiruvannamiyur, Chennai 600 041, Tel. (044) 2451 6082, Mobile: 94449 50534, email: viakalathursunder@gmail.com, URL: www.imsc.res.in/~sunder/, sp. von Neumann algebras & subfactors. **Council Service:** 2004–06.
- 2016 **Sunil Kumar**, Palakurissi Balagopal, b. 1964, Ph.D. (Bangalore), Director, Indian Institute of Technology–Palakkad, Ahalia Integrated Campus, Kozhipara P.O., Palakkad 678 557, Tel. Off. (04923) 22 6501, Mobile: 98403 29487, email: sunil@iitpkd.ac.in, URL: <https://iitpkd.ac.in/people/sunil>, sp. soft condensed matter physics; biological physics; computational physics.
- 2017 **Sunoj**, Raghavan B, b. 1974, Ph.D. (IIT), Department of Chemistry, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7173, Res. (022) 2576 8173, Mobile: 91673 57173, Fax (022) 2576 7152, email: sunoj@chem.iitb.ac.in; rbsunoj@iitb.ac.in, URL: <http://www.chem.iitb.ac.in/~sunoj/>, sp. computational chemistry; theoretical chemistry; asymmetric catalysis, machine learning.
- 2008 **Suresh**, Venapally, b. 1966, Ph.D. (TIFR), FNA, FNASc, Department of Mathematics, Emory University, 400, Dowman Drive, Atlanta, GA 30024, USA, email: suresh.venapally@emory.edu, sp. algebra; quadratic forms & division algebras; arithmetic geometry.
- 2020 **Sureshan**, Kana Meethaleveetil, b. 1973, Ph.D. (Pune), FRSC, School of Chemistry, Indian Institute of Science Education & Research–Thiruvananthapuram, Maruthamala Post, Vithura, Thiruvananthapuram 695 551, Tel. Off. (0471) 277 8064, Mobile: 96453 07400, Fax (0471) 277 8064, email: kms@iisertvm.ac.in, URL: <https://kms514.wixsite.com/kmsgroup>, sp. supramolecular chemistry; crystal engineering.

- Elected
Year
- 1987 **Surolia**, Avadhesh, b. 1947, Ph.D. (Vellore), FNA, FNASc, FTWAS, CSIR Bhatnagar Fellow & Honorary Professor, Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 2763; (080) 2293 2714, Res. (080) 2336 0149, Fax (080) 2360 0535, email: surolia@mbu.iisc.ernet.in, sp. protein chemistry; protein folding; function & design for therapeutics; immunity & neuroscience.
- 2002 **Surolia**, Namita, b. 1953, Ph.D. (Allahabad), FNASc, Molecular Biology & Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2820; (080) 2208 2821, Res. (080) 2341 0149, Fax (080) 2208 2766, email: surolia@jncasr.ac.in, sp. molecular parasitology; biochemistry; molecular biology.
- 1987 **Susheela**, Andezhath Kumaran, b. 1937, Ph.D. (Baroda), FAMS, Executive Director, Fluorosis Research & Rural Development Foundation, B-1 Saransh, 34, Indraprastha Extension, Delhi 110 092, Tel. Off. (011) 2273 1886, Res. (011) 2272 6725, Mobile: 98105 35228, Fax (011) 2272 5156, email: fnrnf.aks@gmail.com, sp. fluorosis disease management & research.
- 1981 **Sushil Kumar**, b. 1940, Ph.D. (IARI), FNA, FNASc, FNAAS, INSA Honorary Scientist, National Institute for Plant Genome Research, New Delhi; Res. 4/11 Sarvpriya Vihar, New Delhi 110 016, Tel. Res. (011) 2686 5494, Mobile: 98107 23891; 99584 32895, email: sushil2000_01@yahoo.co.in, sp. genetical genomics; food crops; medicinal & aromatic plants; plant-microbe interaction.
- 1959 **Swaminathan**, Monkombu Sambasivan, b. 1925, Ph.D. (Cambridge), D.Sc. (h.c.), FRS, FNA, FTWAS, Emeritus Chairman & Chief Mentor, MS Swaminathan Research Foundation, III Cross Street, Taramani Institutional Area, Chennai 600 113, Tel. Off. (044) 2254 2790; (044) 2254 1229/1698, Res. (044) 2434 5312, Fax (044) 2254 1319, email: swami@mssrf.res.in, sp. genetics; cytogenetics; plant breeding. **Council Service:** 1968–73, Vice-President: 1971–73.
- 1969 **Swaminathan**, Sambasiva, b. 1923, Ph.D. (Illinois), FNA, Res. No. 6, 12th Cross Street, Shastrinagar, Chennai 600 020, Tel. (044) 2491 1858, email: swaminathan1923@yahoo.co.in, sp. organic chemistry.
- 1020
- 2013 **Swaminathan**, Soumya, b. 1959, MD (AIIMS), FNASc, FAMS, FNA, Deputy Director-General (Programs), World Health Organization, 20 Avenue Appia, 1211 Geneva, Switzerland, email: doctorsoumya@yahoo.com, sp. paediatrics; tuberculosis; HIV/TB; public health.

- Elected
Year
- 2007 **Swamy**, Musti Joginadha, b. 1959, Ph.D. (IISc), FNASc, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4807, Res. (040) 2301 2548, Mobile: 98660 07530, Fax (040) 2301 2460, email: mjswamy@uohyd.ac.in; mjswamy1@gmail.com, sp. biophysical chemistry & chemical biology.
- 1995 **Swarup**, Ghanshyam, b. 1953, Ph.D. (Bombay), FNA, CSIR–Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2616, Res. 95026 41429, Mobile: 99891 33201, Fax (040) 2716 0591, email: gshyam@ccmb.res.in, sp. molecular & cell biology; molecular basis of disease; cell signalling; autophagy; membrane vesicle trafficking.
- 1967 **Swarup**, Govind, b. 1929, Ph.D. (Stanford), FRS, FNA, FNASc, FTWAS, National Centre for Radio Astrophysics, Pune; Res. 10 Cozy Retreat, Road No. 3, Sindh Society, Aundh, Pune 411 007, Tel. Off. (020) 2571 9277, Res. (020) 2585 1630, Mobile: 89757 82096, Fax (020) 2569 2149, email: gswarup29@gmail.com, sp. radio astronomy.
- 2007 **Tahseen**, Qudisia, b. 1964, Ph.D. (Aligarh), FNASc, FNA, Department of Zoology, Aligarh Muslim University, Aligarh 202 002, Tel. Off. (0571) 270 0921-23/3440, Mobile: 74174 81607; 93196 24196, email: qtahseen@gmail.com, sp. nematology; classical & molecular taxonomy; developmental biology; ecology & functional diversity of soil & freshwater nematodes.
- 1974 **Talwar**, Gursaran Parshad, b. 1926, Docteur es Sciences, D.Sc (h.c.), FAMS, FNASc, FNA, Director Research, The Talwar Research Foundation, E-6&8, Neb Valley, Neb Sarai, New Delhi 110 068, Mobile: 88003 22055, email: gptalwar@gmail.com, sp. endocrinology; reproductive health & immunology.
- 2014 **Tandon**, Nikhil, b. 1963, Ph.D. (Cambridge), FNASc, FAMS, FRCP (London), Department of Endocrinology & Metabolism, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 3433; (011) 2659 3237, Res. (011) 2649 9100, Mobile: 98182 11663, Fax (011) 2658 8663, email: nikhil_tandon@hotmail.com, sp. endocrinology; chronic disease epidemiology. **Council Service:** 2019–.
- 1983 **Tandon**, Prakash Narain, b. 1928, MS, D.Sc. (h.c.), FRCS, FNA, FNASc, FAMS, FTWAS, Res. No. 1, Jagriti Enclave, Vikas Marg Extension, Delhi 110 092, Tel. Off. (0124) 233 8929, Res. (011) 2216 3272, Fax (0124) 233 8928, email: tandon@nbrc.ac.in, sp. neurosciences; neurosurgery.

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Year
- 1987 **Tandon**, Sampat Kumar, b. 1945, Ph.D. (Delhi), FNA, FNASc, FTWAS, Visiting Professor, Indian Institute of Science Education and Research, Bhopal & Professor Emeritus, University of Delhi, Delhi; Res. A566C, Sushant Lok, Phase I, Gurugram 122 002, Tel. Res. (0124) 422 7715, Mobile: 98104 37365, email: sktand@iiserb.ac.in, sp. sedimentology; physical stratigraphy; geomorphology & Quaternary geology; river science. **Council Service:** 2019–; Vice-President: 2019–.
- 1987 **Tandon**, Shyam Narayan, b. 1944, Ph.D. (Bombay), Res. Flat 14, Khagol Housing Society, Panchavati, Pashan, Pue 411 008, Tel. (020) 2588 7051, email: sntandon@iucaa.in, sp. cosmic rays; infra-red astronomy; ultraviolet astronomy; instrumentation for astronomy & space astronomy.
- 1030
- 1985 **Taqui Khan**, Mirza Mohammad, b. 1931, Ph.D. (Clark), FNA, FNASc, Res. 17-3-479, Yakutpura, Hyderabad 500 023, Tel. (040) 2452 4371, sp. co-ordination chemistry; bioinorganic chemistry; catalysis.
- 2012 **Tatu**, Utpal Shashikant, b. 1964, Ph.D. (IISc), Department of Biochemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2823, Res. (080) 2360 2559, Mobile: 99455 67901, Fax (080) 2360 0814, email: tatu@biochem.iisc.ernet.in, sp. cell biology; biochemistry; molecular chaperones; infectious diseases.
- 1991 **Thakur**, Vikram Chandra, b. 1940, Ph.D. (London), Res. 9/12 (Lane 9), Ashirwad Enclave, Dehradun 248 001, Tel. (0135) 276 1271, Mobile: 98970 46455, email: thakurvc12@gmail.com, sp. structural geology; Himalayan geology & tectonics; active tectonics.
- 2015 **Thangaraj**, Kumarasamy, b. 1963, Ph.D. (Madras), FNA, FNASc, CSIR–Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2716 0012; (040) 2719 2634, Res. (040) 2717 3822, Mobile: 99082 13822, Fax (040) 2716 0591, email: thangs@ccmb.res.in, URL: <http://www.ccmb.res.in/index.php?view=scientist&mid=0&id=63&grpId=55>, sp. population & medical genomics; ancient DNA & forensic genetics.
- 1997 **Thangavelu**, Sundaram, b. 1957, Ph.D. (Princeton), FNA, Department of Mathematics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3206, Res. (080) 2360 1132, Mobile: 82773 97409, Fax (080) 2360 0146, email: veluma@iisc.ac.in; amulev@gmail.com, sp. harmonic analysis on Lie groups; partial differential equations; classical analysis.

Elected Year	
2006	Thelma , Bittianda Kuttapa, b. 1955, Ph.D. (Delhi), FNA, FNASc, Department of Genetics, University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021, Tel. Off. (011) 2411 8201; (011) 2411 7399, Res. (011) 2411 3548, Fax (011) 2411 2761, email: thelmabk@yahoo.co.in; thelmabk@gmail.com, sp. human genetics; pharmacogenetics; medical genomics.
1995	Thiagarajan , Pazhamaneri Subramaniam, b. 1948, Ph.D. (Rice), FNASc, Department of Computational and Systems Biology, University of Pittsburgh, Pittsburgh, PA 16260, USA, email: psthiagu@gmail.com, sp. computational systems biology; hybrid systems; distributed probabilistic systems.
2020	Tiwari , Virendra Mani, b. 1968, Ph.D. (Banaras), FNASc, Director, CSIR–National Geophysical Research Institute, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2343 4600, Res. (040) 2701 2555, Mobile: 94403 28269, Fax (040) 2343 4651, email: director@ngri.res.in; virendra.m.tiwari@gmail.com, sp. exploration geophysics; gravimetry; geodynamics.
2011	Tole , Shubha, b. 1967, Ph.D. (Caltech), FNASc, Department of Biological Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2878, Res. (022) 2280 4710, Fax (022) 2280 4610, email: shubhatole@gmail.com, sp. neuroscience; developmental biology.
2020	Tripathi , Anil Kumar, b. 1959, Ph.D. (Banaras), FNA, FNASc, FNAAS, Director, Institute of Science, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 236 9670, Res. (0542) 236 7790, Mobile: 94515 25811; 88871 61518, email: tripathianil@rediffmail.com; directoris@bhu.ac.in, URL: http://www.bhu.ac.in/science/biotechnology/aktripathi.php , sp. bacterial genetics & genomics; plant microbe interaction; bacterial diversity.
1040	
2006	Trivedi , Sandip Parimal, b. 1963, Ph.D. (Caltech), FNA, Distinguished Professor & Director, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2306, Res. (022) 2280 3424, Fax (022) 2280 4501, email: director@tifr.res.in; sandip@theory.tifr.res.in, sp. string theory; particle physics; quantum field theory.
1997	Tuli , Rakesh, b. 1953, Ph.D. (Gujarat), FNA, FNASc, FNAAS, JC Bose National Fellow, Senior Research Advisor, University Institute of Engineering & Technology, Panjab University, Sector 25, Chandigarh 160 014, Tel. Off. (0172) 254 4107, Res. (0172) 257 0765, Mobile: 99150 35511, Fax (0172) 254 7986, email: rakeshtuli@hotmail.com; rtuli@pu.ac.in, sp. plant biotechnology; genetic engineering; molecular biology; secondary metabolism.

- Elected
Year
- 2009 **Tuteja**, Narendra, b. 1955, Ph.D. & D.Sc. (Lucknow), FNA, FNASc, FNAAS, FTWAS, International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 2357, Mobile: 98112 33350, Fax (011) 2674 2316, email: narendra@icgeb.res.in; narendratuteja@gmail.com, sp. molecular biology; microbiology; DNA replication; DNA & RNA helicases; plant abiotic stress tolerance; signal transduction; calcium-powered forisomes; stress tolerant genes from plants & *Piriformospora indica*; tissue culture & plant transformation; crop improvement; plant-microbes interactions.
- 2004 **Tyagi**, Akhilesh Kumar, b. 1956, Ph.D. (Delhi), FNA, FNASc, FTWAS, FNAAS, Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi 110 021, Tel. Off. (011) 2411 5095, Res. (011) 2411 0195, email: akhilesh@genomeindia.org, sp. genomics; regulation biology; biotechnology.
- 1995 **Tyagi**, Anil Kumar, b. 1951, Ph.D. (Delhi), FNA, FNASc, Res. No. C-23, Second Floor, New Delhi South Extension, Part 2, New Delhi 110 049, Mobile: 93122 66218, email: aniltyagi@south.du.ac.in; akt1003@rediffmail.com, sp. molecular biology; biochemistry; microbiology.
- 2013 **Tyagi**, Avesh Kumar, b. 1964, Ph.D. (Bombay), FNASc, FRSC, Head, Chemistry Division, Bhabha Atomic Research Centre, Mumbai; Senior Professor & Dean (Academics), Homi Bhabha National Institute, Mumbai 400 094, Tel. Off. (022) 2559 5330, Res. (022) 2550 3020, Mobile: 98694 43020, Fax (022) 2550 5151, email: aktyagi@barc.gov.in, sp. chemistry of functional materials; nanomaterials; nuclear & metastable materials; hybrid materials.
- 2008 **Tyagi**, Jaya Sivaswami, b. 1954, Ph.D. (Delhi), FNASc, FNA, Honorary Visiting Professor, Translational Health Science and Technology Institute, Faridabad; NASI Senior Scientist, Department of Biotechnology, All India Institute of Medical Sciences, New Delhi 110 029, Tel. Off. (011) 2659 3549, Mobile: 98104 09761, email: jstyagi@aiims.edu; jayatyagi.aiims@gmail.com, sp. molecular biology; gene regulation & mycobacteriology.
- 1997 **Udgaonkar**, Jayant Bhalchandra, b. 1960, Ph.D. (Cornell), FNA, FTWAS, Director, Indian Institute of Science Education and Research–Pune, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8009; (020) 2590 8001, email: director@iiserpune.ac.in, sp. physical biochemistry; protein folding.

Elected
Year

- 1992 **Uma Shaanker**, Ramanan, b. 1956, Ph.D. (UAS, Bengaluru), Department of Crop Physiology, School of Ecology and Conservation, University of Agricultural Sciences, GKVK Campus, Bengaluru 560 065, Tel. Off. (080) 2363 6713, Res. (080) 2856 5620, Mobile: 98452 03561, Fax (080) 2353 0070, email: umashaanker@gmail.com, sp. plant evolutionary biology; conservation genetics; biodiversity; bioprospecting; endophytes.
- 2004 **Umopathy**, Siva, b. 1959, Ph.D. (Otago, New Zealand), Director, Indian Institute of Science Education and Research–Bhopal, Bhauri Campus, Bhopal 462 066, Tel. Off. (0755) 269 2316; (0755) 269 2320, Mobile: 94480 88381, Fax (0755) 269 2392, email: director@iiserb.ac.in; siva.umopathy@gmail.com, sp. ultrafast dynamics; instrumentation development; laser spectroscopy; photochemistry; biophotonics; microspectroscopy.
- 1050
- 2000 **Vairamani**, Mariappanadar, b. 1950, Ph.D. (IIT, Madras), Dean, School of Bio-Engineering, SRM Institute of Science and Technology, Kattankulathur 603 203, Tel. Off. (044) 2741 7812, Mobile: 97909 46095, email: mvairamani@hotmail.com; dean.biotech.ktr@srmist.edu.in, sp. mass spectrometry; organic chemistry.
- 1980 **Valdiya**, Khadg Singh, b. 1937, Ph.D. (Lucknow), FNA, FNASc, FTWAS, Honorary Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru; Res. 302, Sterling Apartments, 10 Papanna Street, Off St. Marks Road, Bengaluru 560 001, Tel. Off. (080) 2208 2787, Res. (080) 4112 0784, Mobile: 98970 78756, Fax (080) 2208 2766, email: valdiya@jncasr.ac.in, sp. sedimentary geology; tectonics; environmental geology. **Council Service:** 1983–88.
- 1977 **Valiathan**, Marthanda Varma Sankaran, b. 1934, Ch.M. (Liverpool), FRCS (England, Edinburgh & Canada), FRCP (London), D.Sc. (h.c.), FNA, FNASc, FNAE, FAMS, FTWAS, National Research Professor, School of Life Sciences, Manipal Academy of Higher Education, Dr TMA Pai Planetarium Complex, Madhav Nagar, Manipal 576 104, Tel. Off. (0820) 292 2342; (0820) 257 1201/22342, Res. (0820) 257 0491, Mobile: 94483 81547, Fax (0820) 257 1919; (0820) 257 0062, email: ms.valiathan@manipal.edu; msvaliathan@gmail.com, sp. cardiac surgery; cardiovascular materials; ayurveda. **Council Service:** 1980–91; Vice-President: 1986–91.

- Elected
Year
- 2002 **Vankar**, Yashwant Dattatraya, b. 1950, Ph.D. (Banaras), FNA, Res. Imperial Heights, D-602, BEST Colony, Behind Oshiwara Bus Depot, Goregaon (West), Mumbai 400 104, Mobile: 99350 62562, email: vankar@iitk.ac.in; ydvankar@gmail.com, sp. synthetic organic chemistry; synthetic carbohydrate chemistry of biological relevance.
- 1997 **Vanninathan**, Muthusamy, b. 1951, Ph.D. (Pierre et Marie Curie, Paris), Department of Mathematics, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 9468, Fax (022) 2572 3480, email: vanni@tifrbng.res.in, sp. partial differential equations; numerical analysis; asymptotic analysis; homogenization; control of PDE; fluid–structure interaction.
- 2001 **Varadarajan**, Raghavan, b. 1960, Ph.D. (Stanford), FNA, Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2612, Res. (080) 2360 2332, Fax (080) 2360 0535, email: varadar@iisc.ac.in, URL: <http://mbu.iisc.ac.in/~rvgrp>, sp. protein structure & folding. **Council Service**: 2013–; Secretary: 2013–15; Treasurer: 2016–18; Vice-President: 2019–.
- 1972 **Varadarajan**, Srinivasan, b. 1928, Ph.D. (Delhi & Cantab), D.Sc. (h.c.), D.Litt. (h.c.), FNA, FNAE, FTWAS, Res. 4-A, Girdhar Apartments, 28, Feroz Shah Road, New Delhi 110 001, Tel. (011) 2371 2512; (011) 2371 3137, email: varadar@gmail.com, sp. organic & biological chemistry; molecular biology; engineering design technology development transfer; human nutrition policy; energy management systems. **Council Service**: 1974–88; Vice-President: 1977–79, President: 1980–82.
- 2019 **Varshney**, Rajeev Kumar, b. 1973, Ph.D. (CCS University), FAAAS, FTWAS, FNA, FNASc, FNAAS, Director, Centre of Excellence in Genomics & Systems Biology, International Crops Research Institute for the Semi-Arid Tropics, Patancheru 502 324, Tel. Off. (040) 3071 3305, Res. (040) 3071 3674, Mobile: 99499 94070, Fax (040) 3071 3074-75, email: r.k.varshney@cgiar.org, URL: <https://www.icrisat.org/team/rajeev-k-varshney/>, sp. applied genomics; molecular breeding; crop biotechnology; capacity building.
- 2002 **Varshney**, Umesh, b. 1957, Ph.D. (Calgary), FNA, FNASc, FTWAS, Department of Microbiology & Cell Biology and Chair, Division of Biological Sciences, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 0169; (080) 2293 2686, Res. (080) 2341 7828, Fax (080) 2360 2697, email: varshney@iisc.ac.in, sp. molecular biology; protein biosynthesis; DNA repair.

Elected Year	
1999	Vasudevan , Sukumaran, b. 1953, Ph.D. (IIT, Kanpur), FNA, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2661, Res. (080) 2308 9570, Mobile: 94480 54448, Fax (080) 2360 1552, email: svipc@iisc.ac.in, sp. physical chemistry of materials;
1060	intercalation chemistry; heterogeneous catalysis.
2019	Veerappa Gowda , Gaddemane Dyavappa Gowda, b. 1955, Ph.D. (Paris), FNA, FNASc, TIFR Centre for Applicable Mathematics, Post Box. No. 6503, Sharada Nagar, Yelahanka New Town, Bengaluru 560 065, Tel. Off. (080) 6695 3743, Res. (080) 2856 5106, Mobile: 97408 18971, Fax (080) 6695 3799, email: gowda@math.tifrbng.res.in, sp. partial differential equations; numerical analysis.
2002	Veluthambi , Karuppannan, b. 1953, Ph.D. (IISc), FNA, FNASc, Res. Plot 3, North 1st Street, Kalvi Nagar, Madurai 625 021, Tel. (0452) 245 8458, Mobile: 94439 27365, email: kveluthambi@rediffmail.com, sp. plant genetic engineering; plant biotechnology; plant molecular biology.
2018	Venkataraman , Chandra, b. 1963, Ph.D. (Univ. Calif., Los Angeles), FNAE, FNASc, Department of Chemical Engineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7224, Res. (022) 2576 8224, Mobile: 98196 70388, Fax (022) 2572 6895, email: chandra@iitb.ac.in; cv140401@gmail.com, URL: http://www.climate.iitb.ac.in/en/employee-profile/prof-chandra-venkataraman , sp. aerosol science & engineering; environmental & climate science; atmospheric science.
1974	Venkataraman , Ganesan, b. 1932, Ph.D. (Bombay), FNA, FNASc, Res. W6, A14-15 Mandir, Prasanthi Nilayam 515 134, Tel. (08555) 28 6142, email: gvraman108@gmail.com, sp. condensed matter physics; parallel computers. Council Service: 1983–85.
2002	Venkataramana , Tyakal Nanjundiah, b. 1958, Ph.D. (Bombay), FNA, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2224, Res. (022) 2280 4831, Fax (022) 2280 4610-1, email: venky@math.tifr.res.in, sp. rigidity & arithmeticity of lattices; cohomology of arithmetic groups; Shimura varieties; monodromy groups.

- Elected
Year
- 2016 **Venkatesh**, Kareenhalli Viswanath, b. 1967, Ph.D. (Purdue), Department of Chemical Engineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7223, Res. (022) 2572 3018, Mobile: 98202 34251; 75062 48223, Fax (022) 2572 6895, email: venks@iitb.ac.in, URL: <http://www.che.iitb.ac.in/faculty/kvv/index.html>, sp. biosystems engineering; systems & synthetic biology; metabolic engineering.
- 1990 **Venkatesh**, Yedatore Venkatakrishnaiya, b. 1942, Ph.D. (IISc), FNA, FNAE, Res. 521, 5th Cross, 8th A Main, Tata Nagar, Kodigehalli, Bengaluru 560 092, email: yv.venkatesh@gmail.com, sp. machine & computer vision; neural networks for pattern recognition; signal processing; compressive sampling; multi- & hyper-spectral data analysis; system theory; stability & instability analyses.
- 2003 **Venkateswara Rao**, Gundabathula, b. 1944, Ph.D. (IISc), FNAE, Res. No. 502, Reliance Mariam Villa, Street No. 6, Plot No. 70, West Maredpally, Secunderabad 500 026, Mobile: 95020 36831; 93913 68231, email: hydrao1944@yahoo.co.in, sp. finite element method; structural analysis (linear & nonlinear); smart structures; functionally graded materials.
- 2015 **Verma**, Kaushal Kumar, b. 1971, Ph.D. (Indiana), Department of Mathematics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3216, Res. (080) 2351 8802, Mobile: 74830 64269, email: kverma@iisc.ac.in, sp. complex analysis.
- 2020 **Verma**, Mahendra Kumar, b. 1966, Ph.D. (Maryland), FNA, Department of Physics, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7396, Res. (0512) 259 8515, Mobile: 93997 46029, Fax (0512) 259 0912, email: mkv@iitk.ac.in, URL: <http://iitk.ac.in/new/dr-mahendra-k-verma>, sp. turbulence; nonlinear dynamics; nonequilibrium statistical physics.
- 1070
- 2011 **Verma**, Sandeep, b. 1966, Ph.D. (Illinois), FNA, FNASc, FRSC, JC Bose National Fellow, Secretary, Science and Engineering Research Board, New Delhi; Center for Nanoscience, and Department of Chemistry, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 679 7643, Res. (0512) 679 8786, Mobile: 99350 81810, Fax (0512) 679 6806, email: secretary@serb.gov.in; sverma@iitk.ac.in, sp. chemical biology; bioinspired soft matter; bionanotechnology.

Elected
Year

- 1992 **Vidyasagar**, Mathukumalli, b. 1947, Ph.D. (Wisconsin), FRS, FNA, FNAE, FTWAS, SERB Distinguished Fellow & Distinguished Professor, Indian Institute of Technology, Hyderabad; Chair Emeritus, Erik Jonsson School of Engineering and Computer Science, The University of Texas at Dallas, USA, Tel. Res. (040) 2360 6008, Mobile: 98480 50451; (+1-646) 610 3175, email: m.vidyasagar@iith.ac.in; URL: http://www.iith.ac.in/~m_vidyasagar/, sp. control & system theory; machine learning; compressed sensing; computational cancer biology.
- 2017 **Vijay Kumar**, Panganamala, b. 1955, Ph.D. (Univ. Southern Calif.), FNA, FNAE, FIEEE, JC Bose National Fellow, Department of Electrical Communication Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3155, Res. (080) 2351 7060, Mobile: 99451 79215, Fax (080) 2360 0563, email: pvk@iisc.ac.in, URL: <http://www.ece.iisc.ernet.in/~vijay/>, sp. codes for distributed storage; error-correcting codes; wireless communication.
- 2008 **Vijayamohan**, Kunjukrishna Pillai, b. 1960, Ph.D. (IISc), Department of Chemistry, Indian Institute of Science Education and Research–Tirupati, Opp. Sree Rama Engineering College (Transit Campus), Karakambadi Road, Mangalam Post, Tirupati 517 507, Tel. Off. (0877) 250 0236, Mobile: 94422 26929, email: k.vijayamohan@gmail.com; vijay@iisertirupati.ac.in, URL: <http://iisertirupati.irins.org/profile/95601>, sp. electrochemistry; nanotechnology; materials chemistry; electrochemical power sources; functional materials.
- 1983 **Vijayan**, Mamannamana, b. 1941, Ph.D. (IISc), FNA, FNASc, FTWAS, NASI Platinum Jubilee Senior Scientist, Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 0765; (080) 2293 2590, Res. (080) 2334 0031, Fax (080) 2360 0535, email: mv@iisc.ac.in, URL: <http://mbu.iisc.ac.in/~mvlab/>, sp. X-ray crystal structure analysis; protein & crystallography; molecular biophysics. **Council Service:** 1989–94, 2001–03.
- 1975 **Vijayaraghavan**, Ramanuja, b. 1931, Ph.D. (Bombay), FNA, FNASc, Res. Flat 305, Vigyanik Co-operative Housing Society, Plot 58, Sector 14, Vashi, Navi Mumbai 400 703, Tel. (022) 2766 7554, email: rvramanujan@yahoo.com, sp. solid state physics; magnetic resonance; materials science; superconductive electronics.

- Elected
Year
- 1997 **VijayRaghavan**, Krishnaswamy, b. 1954, Ph.D. (Bombay), FNA, FNASc, FTWAS, Foreign Associate-US Natl. Acad. Sci., FRS, Distinguished Professor, National Centre for Biological Sciences, Bengaluru; Principal Scientific Adviser to Governemnt of India, Vigyan Bhavan Annexe, Maulana Azad Road, New Delhi 110 011, Tel. Off. (011) 2302 2112, Fax (011) 2302 2113, email: vijayraghavan@gov.in; vijay@ncbs.res.in, sp. developmental biology; genetics; neurogenetics. **Council Service:** 2007–09.
- 2007 **Vijayraghavan**, Usha, b. 1961, Ph.D. (Caltech), FNA, Department of Microbiology and Cell Biology, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 0168, Res. (080) 2341 8504, Mobile: 98443 32445, Fax (080) 2360 2697, email: uvr@mcbl.iisc.ernet.in, sp. plant developmental genetics; microbial genetics; gene regulation.
- 2009 **Vinayachandran**, Puthenveetil Narayana Menon, b. 1964, Ph.D. (IISc), Centre for Atmospheric & Oceanic Sciences, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3065, Res. (080) 2360 1013, Mobile: 98457 40257, Fax (080) 2360 0865, email: vinay@iisc.ac.in, URL: <http://caos.iisc.ac.in/faculty/vinay/Home.htm>, sp. physical oceanography; ocean modelling; physical–biological interactions in the ocean.
- 2002 **Vishveshwara**, Saraswathi, b. 1946, Ph.D. (CUNY), FNASc, Platinum Jubilee Fellow, NASI Senior Scientist, Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2611, Res. (080) 2341 6467, Fax (080) 2360 0535, email: saraswathi@iisc.ac.in, sp. computational biology; bio-molecular structure & function, biological networks.
- 1080
- 1987 **Viswanadham**, Nukala, b. 1943, Ph.D. (IISc), FNA, FTWAS, FNAE, INSA Honorary Scientist, Department of Computer Science & Automation, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3571, Res. (080) 2351 9864, Mobile: 81976 89868, Fax (080) 2360 2111, email: n.viswanadham@gmail.com, URL: <http://lcm.csa.iisc.ernet.in/nv/>, sp. business models; blockchain & supply chain networks. **Council Service:** 1992–97; Secretary: 1992–97.
- 2006 **Visweswariah**, Sandhya Srikant, b. 1957, Ph.D. (IISc), FTWAS, FNA, JC Bose National Fellow, Department of Molecular Reproduction, Development & Genetics and Centre for Biosystems Science & Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2542, Mobile: 99028 18616, email: sandhya@iisc.ac.in, sp. biochemistry; protein structure & function; signal transduction.

Elected
Year

- 2004 **Vrati**, Sudhanshu, b. 1960, Ph.D. (ANU, Canberra), FNASc, Executive Director, Regional Centre for Biotechnology, NCR Biotech Science Cluster, Faridabad-Gurugram Expressway, Faridabad 121 001, Tel. Off. (0129) 284 8801, Res. (0124) 494 5942, Mobile: 98110 07944, email: vrati@rcb.res.in, sp. molecular virology; vaccinology; biotechnology.
- 1995 **Wadhwa**, Shashi, b. 1948, M.S. & Ph.D. (AIIMS), FNASc, FAMS, Res. B114, Sector 30, Noida 201 303, Mobile: 99107 69909, email: shashiwadhwa@hotmail.com; shashiwadhwa.anat@gmail.com, sp. human anatomy; neuroanatomy; developmental neurobiology.
- 1992 **Wadia**, Spenta Rustom, b. 1950, Ph.D. (New York), FNA, FNASc, FTWAS, Infosys Homi Bhabha Chair Professor, International Centre for Theoretical Sciences, Shivakote, Hesaraghatta Post, Bengaluru 560 089, Tel. Off. (080) 4653 6010, email: spenta.wadia@icts.res.in; spenta.wadia@gmail.com, URL: <https://www.icts.res.in/people/spenta-wadia>, sp. string theory; quantum gravity; statistical mechanics. **Council Service:** 2013–15.
- 2008 **Waghmare**, Umesh Vasudeo, b. 1968, Ph.D. (Yale), FNASc, FNA, Theoretical Sciences Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2842, Res. (080) 2233 2774, Mobile: 94482 87711, Fax (080) 2208 2766, email: waghmare@jncasr.ac.in, URL: www.jncasr.ac.in/waghmare, sp. multi-functional oxides & related smart materials; nanostructures & materials for energy and environment; geometric phases & electronic topology of materials. **Council Service:** 2016–; Secretary: 2016–.
- 1981 **Warke**, Chindu Sona, b. 1931, Ph.D. (UC, San Diego), Res. 203, Vigyanshila, Juhu-Versova Link Road, Andheri (West), Mumbai 400 061, Tel. (022) 2631 5616, email: cswarke@rediffmail.com, sp. theoretical nuclear physics.
- 2017 **Yadav**, Ganapati Dadasaheb, b. 1952, Ph.D. (Bombay), D.Sc. (h.c.), FNA, FNASc, FTWAS, FNAE, FRSC, JC Bose National Fellow, Vice Chancellor, Institute of Chemical Technology, N.P. Marg, Matunga, Mumbai 400 019, Tel. Off. (022) 3361 1001, Res. (022) 3361 1010, Mobile: 98330 90510, Fax (022) 3361 1002; (022) 3361 1020, email: gdyadav@gmail.com; vc@ictmumbai.edu.in, sp. green chemistry & engineering; catalysis science & engineering; biotechnology; energy engineering.

- Elected
Year
- 2010 **Yadav**, Jhillu Singh, b. 1950, Ph.D. (M.S. Univ., Baroda), FNASc, FNA, FTWAS, Director of Research, Indrashil University, Rajpur P.O., Mehsana 382 730, Tel. Off. (02764) 27 8813; (02764) 27 8815, Mobile: 70690 76528, email: jsyadav@indrashiluniversity.edu; yadavfna@gmail.com, sp. total synthesis of biologically active natural products; agrochemicals & pheromones; development of new methodologies for sustainable chemistry.
- 2012 **Yadav**, Ram Ratan, b. 1956, Ph.D. (Lucknow), FNASc, CSIR–Emeritus Scientist, Wadia Institute of Himalayan Geology, 33, General Mahadev Singh Road, Dehradun 248 001, Mobile: 94526 94759; 94503 94957, email: rryadav2000@gmail.com, sp. palaeoclimatology; tree-ring analysis; climate change & biodiversity.
- 1090
- 2007 **Yadav**, Veejendra Kumar, b. 1956, Ph.D. (Baroda), Department of Chemistry, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7439, Res. (0512) 259 8544, Mobile: 94151 34082, Fax (0512) 259 6806, email: vijendra@iitk.ac.in, URL: <http://home.iitk.ac.in/~vijendra>, sp. synthetic organic chemistry; computational organic chemistry.
- 1985 **Yajnik**, Kirit Surendra, b. 1936, Ph.D. (UC, Berkeley), Honorary Scientist, CSIR–Fourth Paradigm Institute, Bengaluru; Res. F2, Regal Manor, 2/1 Bride Street, Langford Town, Bengaluru 560 025, Tel. Res. (080) 2227 9321, Mobile: 77601 88022, Fax (080) 2522 0392, email: ksy@csir4pi.in; ksyajnik@yahoo.com, sp. modelling, simulation and analysis of marine biogeochemical processes & climate change; modelling of large mechanical systems; fluid mechanics.
- 1996 **Yashonath**, Subramanian, b. 1956, Ph.D. (IISc), FNA, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2568, Res. (080) 2671 0482, Fax (080) 2360 1310, email: yashonath@iisc.ac.in; yashonath@gmail.com, URL: <http://sscu.iisc.ac.in/faculty/s-yashonath/>, sp. computational chemistry; intermolecular forces; diffusion within porous & dense media; ionic conduction in solutions; nanomorphology & condensed matter properties; non-equilibrium studies.
- 1989 **Yathindra**, Narayanarao, b. 1944, Ph.D. (Madras), Mazumdar Shaw Chair in Computational Biology, Institute of Bioinformatics & Applied Biotechnology, Biotech Park, Electronic City, Phase I, Bengaluru 560 100, Tel. Off. (080) 2852 8900-03, Res. (080) 2344 3434, Fax (080) 2852 8904, email: yathindra@ibab.ac.in; yathindran@hotmail.com, sp. computational structural biology.

Elected
Year

- 2004 **Yegnanarayana**, Bayya, b. 1944, Ph.D. (IISc), FNA, FNAE, FIEEE, INSA Senior Scientist, International Institute of Information Technology, Hyderabad; Res. 201, Savitrinilayam, Lane 23, Road 1, Ravindranagar, Habsiguda, Hyderabad 500 007, Tel. Res. (040) 2715 4526, Mobile: 94418 86526, email: yegna@iiit.ac.in; bayya.yegna@gmail.com, sp. signal processing; speech & vision; artificial neural networks.
- 2017 **Yusuf**, Seikh Mohammad, b. 1965, Ph.D. (Bombay), FNASc, Head, Solid State Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai; Department of Physical Sciences, Homi Bhabha National Institute, Mumbai 400 094, Tel. Off. (022) 2559 5608, Res. (022) 2754 7160, Mobile: 98339 83074, Fax (022) 2550 5151, email: smyusuf@barc.gov.in; smyusuf1@yahoo.com, sp. magnetism & advanced magnetic materials; neutron scattering; condensed matter physics.
- 1096

Resignation to the fellowship in 2019
Milind G. Watve

A LIST OF SOME ABBREVIATIONS USED

AEC, Atomic Energy Commission
AIIMS, All India Institute of Medical Sciences
ANU, Australian National University
BHU, Banaras Hindu University
CCMB, Centre for Cellular and Molecular Biology
CSIR, Council of Scientific and Industrial Research
DAE, Department of Atomic Energy
FAMS, Fellow of the National Academy of Medical Sciences
FIEEE, Fellow of the Institute of Electrical and Electronics Engineers
FNA, Fellow of the Indian National Science Academy
FNAAS, Fellow of the National Academy of Agricultural Sciences
FNAE, Fellow of the Indian National Academy of Engineering
FNASc, Fellow of the National Academy of Sciences
FRS, Fellow of the Royal Society
FRSC, Fellow of the Royal Society of Chemistry
FTWAS, Fellow of the World Academy of Sciences
IISc, Indian Institute of Science
IISER, Indian Institutes of Science Education and Research
IIT, Indian Institute of Technology
INSA, Indian National Science Academy
ISI, Indian Statistical Institute
ISRO, Indian Space Research Organization
JNCASR, Jawaharlal Nehru Centre for Advanced Scientific Research
JNU, Jawaharlal Nehru University
MIT, Massachusetts Institute of Technology
MKU, Madurai Kamaraj University
NASI, National Academy of Sciences, India
NCCS, National Centre for Cell Science
PRL, Physical Research Laboratory
RRI, Raman Research Institute
TIFR, Tata Institute of Fundamental Research
TIFR-CAM, TIFR-Centre for Applicable Mathematics
UAS, University of Agricultural Sciences
UGC, University Grants Commission

HONORARY FELLOWS

- Elected
Year
- 1997 **Anderson**, Philip Warren, b. 1923, Nobel Laureate (Physics), Department of Physics, Joseph Henry Laboratories, Jadwin Hall, Princeton University, Princeton, New Jersey 08544-0708, USA, Tel. Off. (+1-609) 258 5850, Res. (+1-609) 454 5075, Fax (+1-609) 258 1006, email: pwa@princeton.edu.
- 1996 **Ashtekar**, Abhay, b. 1949, Member-US Natl. Acad. Sci., Holder, Evan Pugh Professor of Physics, Holder, Eberly Chair, and Director, Institute for Gravitation & the Cosmos, 104 Davey Lab, Pennsylvania State University, University Park, Pennsylvania 16802-6300, USA, Tel. Off. (+1-814) 863 9605, Res. (+1-814) 867 8406, Fax (+1-814) 863 9608, email: ashtekar@gravity.psu.edu, URL: <http://www.gravity.psu.edu/people/Ashtekar/>.
- 1988 **Askey**, Richard Allen, b. 1933, Professor Emeritus, Mathematics Department, University of Wisconsin-Madison, Van Vleck Hall, 480 Lincoln Drive, Madison, Wisconsin 53706, USA, Tel. Res. (+1-608) 233 7900, Fax (+1-608) 263 8891, email: askey@math.wisc.edu, URL: www.math.wisc.edu/~askey.
- 2020 **Atal**, Bishnu S, b. 1933, Affiliate Professor, Department of Electrical Engineering, University of Washington, Seattle, WA 98195, USA; Res. 6226, 95th PL SW, Mukilteo, WA 98275, USA, Tel. Res. (+1-425) 353 2762, Mobile: (+1-314) 882 7946, email: bsatal@uw.edu; my.bsatal@gmail.com.
- 2009 **Bai**, Chunli, b. 1953, President, Association of Naval Services Officers; President, Chinese Academy of Sciences, 52, Sanlihe Road, Beijing 100864, China, Tel. Off. (+86-10) 6859 7606, Fax (+86-10) 6852 6316, email: clbai@cas.cn.
- 1990 **Berry**, Sir Michael Victor, b. 1941, FRS, Melville Wills Professor of Physics (Emeritus), H H Wills Physics Laboratory, University of Bristol, Royal Fort, Tyndall Avenue, Bristol BS8 1TL, UK, Tel. Off. (+44-117) 928 8778, Res. (+44-117) 973 2240, Fax (+44-117) 925 5624, email: asymptotico@bristol.ac.uk, URL: <http://michaelberryphysics.wordpress.com>.
- 2017 **Bhargava**, Manjul, b. 1974, Fellow-US Natl. Acad. Sci., R. Brandon Fradd Professor of Mathematics, Princeton University, Princeton, NJ 08544, USA, Tel. Off. (+1-609) 258 4192, Fax (+1-609) 258 1367, email: bhargava@math.princeton.edu, URL: <https://www.math.princeton.edu/directory/manjul-bhargava>.

- Elected
Year
- 2008 **Chakravarti**, Aravinda, b. 1954, Director, Centre for Human Genetics & Genomics, New York University School of Medicine, 435 East 30th Street SB 802/803, New York, NY 10016, USA, Tel. Off. (+1-212) 263 8023, email: aravinda.chakravarti@nyulangone.org.
- 2001 **Cheetham**, Sir Anthony Kevin, b. 1946, FRS, Materials Research Laboratory, University of California, Santa Barbara, CA 93106, Tel. Off. (+1-805) 452 8087, email: akc30@cam.ac.uk.
- 1999 **Cohen-Tannoudji**, Claude Nessim, b. 1933, Nobel Laureate (Physics), Honorary Professor, Laboratoire Kastler Brossel, Ecole Normale Supérieure, Collège de France, 24, rue Lhomond, 75231 Paris Cedex 05, France, Tel. Res. (+33-1) 4535 0218, email: claude.cohen-tannoudji@lkb.ens.fr; claudect@gmail.com.
- 10
1995 **Day**, Peter, b. 1938, FRS, Emeritus Fullerian Professor of Chemistry, The Royal Institution of Great Britain; Emeritus Professor, University of London; Res. Field House, Marsh Baldon, Oxford OX44 9LL, UK, Tel. Res. (+44-186) 534 0046, email: profpday@msn.com, URL: <http://www.ucl.ac.uk/chemistry/people/peter-day>.
- 2001 **Fisher**, Michael Ellis, b. 1931, FRS, Hon. FRSE, Distinguished University Professor Emeritus and Regents Professor & Research Professor, Institute for Physical Science and Technology, University of Maryland, College Park, MD 20742-8510, USA, Tel. Off. (+1-301) 405 4819, Res. (+1-301) 847 3259, Fax (+1-301) 314 9404, email: xpectnil@umd.edu, URL: <http://www.ipst.umd.edu/researchandfaculty/xpectnil.php>.
- 2011 **Friend**, Richard Henry, b. 1953, FRS, F.R. Eng., Cavendish Laboratory, JJ Thomson Avenue, Cambridge CB3 0HE, UK, Tel. Off. (+44-1223) 33 7218, email: rhf10@cam.ac.uk.
- 2015 **Geim**, Sir Andre Konstantin, b. 1958, FRS, Regius and Royal Society Research Professor, University of Manchester, Oxford Road, Manchester M13 9PL, UK, Tel. Off. (+44-161) 275 4120, email: geim@manchester.ac.uk, URL: <http://www.condmat.physics.manchester.ac.uk/people/academic/geim/>.
- 1980 **Goodenough**, John Bannister, b. 1922, Virginia H. Cockrell Centennial Professor of Engineering, Department of Mechanical Engineering and Materials Science, University of Texas at Austin, ETC 9.184, 204E. Dean Keeton St. Stop C2200, Austin, Texas 78712, USA, Tel. Off. (+1-512) 471 1646, email: jgoodenough@mail.utexas.edu.

- Elected
Year
- 2004 **Griffiths**, Phillip Augustus, b. 1938, Professor Emeritus of Mathematics, Institute for Advanced Study, Einstein Drive, Princeton, NJ 08540, USA, Tel. Off. (+1-609) 734 8041, email: pg@ias.edu.
- 2007 **Gross**, David Jonathan, b. 1941, Nobel Laureate (Physics), Chancellors Chair Professor of Theoretical Physics, Kavli Institute for Theoretical Physics, Kohn Hall, University of California, Santa Barbara, CA 93106-4030, Tel. Off. (+1-805) 893 7337, Res. (+1-805) 963 8324, Fax (+1-805) 893 2431, email: gross@kitp.ucsb.edu, URL: <http://www.kitp.ucsb.edu/>.
- 1987 **Hagenmuller**, Paul, b. 1921, Professor, Honorary Director, ICMCB-CNRS, Bordeaux University, 87 Avenue Dr Albert Schweitzer, 33608 Pessac Cedex, France, Tel. Off. (+33-5) 4000 6325, Fax (+33-5) 4000 6324, email: hagen@icmcb.u-bordeaux.fr.
- 2011 **Hartl**, Daniel L, b. 1943, Higgins Professor of Biology, Department of Organismic and Evolutionary Biology, Harvard University, The Biological Laboratories, 16, Divinity Avenue, Cambridge, Massachusetts 02138, USA, Tel. Off. (+1-617) 496 5540, email: dhartl@oeb.harvard.edu.
- 2017 **Jagadish**, Chennupati, b. 1957, Distinguished Professor & Head, Semiconductor Optoelectronics & Nanotechnology Group, Department of Electronic Materials Engineering, Research School of Physics, The Australian National University, Canberra, ACT 2601, Australia, Tel. Off. (+61-2) 6125 0363, Fax (+61-2) 6125 0511, email: chennupati.jagadish@anu.edu.au, URL: <https://physics.anu.edu.au/people/profile.php?ID=106>.
- 2008 **Jansen**, Martin, b. 1944, Director, Max-Planck-Institut fuer Festkoerperforschung, Heisenbergstr 1, D 70569, Stuttgart, Germany, Tel. Off. (+49-711) 689 1500, Fax (+49-711) 689 1502, email: m.jansen@fkf.mpg.de.
- 2013 **Kailath**, Thomas, b. 1935, Hitachi America Professor of Engineering, Emeritus, Information Systems Laboratory, Department of Electrical Engineering, Stanford University, Packard Building, Stanford, CA 94305 9510, USA; Residence: 346 Greenoaks Drive, Atherton, CA 94027 2116, USA, Tel. (+1-650) 494 9401, email: kailath@stanford.edu, URL: <http://www.stanford.edu/~tkailath/>.
- 2012 **Khosla**, Pradeep K, Chancellor, University of California, San Diego, 9500 Gilman Drive #0005, La Jolla, California 92093, USA, Tel. Off. (+1-858) 534 3135, Mobile: (+1-412) 708 4831, Fax (+1-858) 534 6523, email: pkhosla57@me.com; pkhosla@ucsd.edu, URL: <http://chancellor.ucsd.edu/>

- Elected
Year
- 1998 **King**, Sir David Anthony, b. 1939, FRS, Special Representative for Climate Change, Foreign & Commonwealth Office, King Charles Street, Whitehall, London SW1A 2AH, UK, email: dk@camkas.co.uk, URL: <http://www.csap.cam.ac.uk/network/david-king/>.
- 2006 **Klein**, Michael Lawrence, b. 1940, FRS, Director, Institute for Computational Molecular Science, Temple University, College of Science & Technology, SERC Building 704E, 1925 North 12th Street, Philadelphia, PA 19122, USA, Tel. Off. (+1-215) 204 1327, Fax (+1-215) 204 2257, email: mklein@temple.edu.
- 2012 **Kulkarni**, Shrinivas Ramchandra, b. 1956, FRS, George Ellery Hale Professor of Astronomy, California Institute of Technology, Pasadena, CA 91125, USA, Tel. Off. (+1-626) 395 3734; (+1-626) 395 4010, Fax (+1-626) 568 9352, email: srk@astro.caltech.edu, URL: <http://www.astro.caltech.edu/~srk>.
- 1991 **Lehn**, Jean-Marie Pierre, b. 1939, Nobel Laureate (Chemistry), ISIS, CNRS UMR 7006, Université de Strasbourg, 8 allée Gaspard Monge, 67000 Strasbourg, France, Tel. Off. (+33-368) 85 5145, Fax (+33-368) 85 5140, email: lehn@unistra.fr.
- 2004 **Livage**, Jacques, b. 1938, Chimie de la Matière Condensée, UPMC, Tour 44, 4 place Jussieu, 75005 Paris, France, Tel. Off. (+33-1) 4427 6162, Res. (+33-6) 6797 5839, email: jacques.livage@upmc.fr.
- 1991 **Markl**, Hubert Simon, b. 1938, Professor, Department of Biology, University of Konstanz, Postfach M 612, D-78457 Konstanz, Germany, Tel. Off. (+49-7531) 88 2227, Res. (+49-7531) 88 2725, Fax (+49-7531) 88 4345, email: hubert.markl@uni-konstanz.de.
- 2011 **Marks**, Tobin Jay, b. 1944, Department of Chemistry, Northwestern University, 2145, Sheridan Road, Evanston, IL 60208, USA, Tel. Off. (+1-847) 491 5658, email: t-marks@northwestern.edu, URL: <https://sites.northwestern.edu/tobinmarksgroup/>.
- 30
- 1994 **Nagakura**, Saburo, b. 1920, The Japan Academy, 7-32, Ueno Park, Taito-ku, Tokyo 110-0007, Japan, Tel. (+81-3) 3822 2101, Fax (+81-3) 3822 2105.
- 2016 **Narayan**, Ramesh, b. 1950, FRS, Thomas Dudley Cabot Professor of the Natural Sciences & Professor, Harvard-Smithsonian Center for Astrophysics, Harvard University, 60 Garden Street, MS-51, Cambridge, MA 02138, USA, Tel. Off. (+1-617) 496 9393; (+1-617) 495 7093, Fax (+1-617) 495 7053, email: rnarayan@cfa.harvard.edu, URL: <http://astronomy.fas.harvard.edu/people/ramesh-narayan>.

- Elected
Year
- 2007 **Nicolaou**, Kyriacos Costa, b. 1946, BioScience Research Collaborative (BRC), Department of Chemistry, Rice University, 6100 Main Street, MS 602, Houston, TX 77005, USA, Tel. Off. (+1-713) 348 8860, Fax (+1-713) 348 8865, email: kcn@rice.edu.
- 2013 **Nocera**, Daniel George, b. 1957, Patterson Rockwood Professor of Energy, Department of Chemistry and Chemical Biology, Harvard University, 12 Oxford Street, Cambridge, MA 02138, USA, Tel. Off. (+1-617) 495 8904, email: dnocera@fas.harvard.edu, URL: <http://chemistry.harvard.edu/people/daniel-g-nocera>.
- 1998 **O’Nions**, Sir (Robert) Keith, b. 1944, FRS, Chairman of Cambridge Enterprise, University of Cambridge, Hauser Forum, 3 Charles Babbage Road, Cambridge CB3 0GT, UK, email: keith.onions@enterprise.cam.ac.uk.
- 1996 **Palis**, Jacob, b. 1940, National Institut for Pure and Applied Mathematics-IMPA, Estrada Dona Castorina, 110-Jardim Botânico, 22460-320, Rio de Janeiro, Brazil, Tel. Off. (+55-21) 2529 5136, email: jpalis@impa.br.
- 2012 **Parkin**, Stuart Stephen Papworth, b. 1955, Alexander von Humboldt Professor, Martin Luther University Halle-Wittenberg, Germany; Director, Max Planck Institute for Microstructure Physics, Weinberg 2, D-06120, Halle, Germany, Mobile: (+49-174) 180 1802, email: stuart.parkin@mpi-halle.mpg.de; stuart.parkin@icloud.com.
- 1995 **Patel**, Chandra Kumar Naranbhai, b. 1938, Distinguished University Professor, University of Central Florida; Professor Emeritus of Physics & Astronomy, UCLA, and President & CEO, Pranalytica, Inc., 1101, Colorado Avenue, Santa Monica, CA 90401, USA, Tel. Off. (+1-310) 458 0808, Res. (+1-310) 471 6505, Fax (+1-310) 458 0171, email: patel@pranalytica.com.
- 2014 **Paulraj**, Arogyaswami J, b. 1944, Emeritus Professor, Electrical Engineering Department, Stanford University, 232, David Packard Electrical Engineering Building, 350 Serra Mall, Stanford, CA 94305-9510, USA, email: apaulraj@stanford.edu, URL: <http://www.stanford.edu/~apaulraj/>.
- 2014 **Ramanathan**, Veerabhadran, b. 1944, Edward A. Frieman Endowed Presidential Chair in Climate Sustainability, Scripps Institution of Oceanography, University of California, San Diego, 9500 Gilman Drive, MC 0221, La Jolla, CA 92093-0221, USA, Tel. Off. (+1-858) 534 0219, email: vram@ucsd.edu, URL: <http://www-ramanathan.ucsd.edu/>.
- 40

- Elected
Year
- 1992 **Ratajczak**, Henryk, b. 1932, Vice President, Faculty of Chemistry, University of Wroclaw, 14, Joliot-Curie Street, 50-883 Wroclaw, Poland, Tel. Off. (+48-71) 375 7318, Res. (+48-71) 351 9899, Fax (+48-71) 328 2348, email: hr@wchuwr.chem.uni.wroc.pl.
- 1993 **Raveau**, Bernard, b. 1940, Professor, University of Caen, ENSICAEN-CNRS, 6 Boulevard Maréchal Juin, 14050 Caen Cedex 4, France, Tel. Off. (+33-2) 3145 2616, Res. (+33-2) 3144 3040, Fax (+33-2) 3145 1302, email: bernard.raveau@ensicaen.fr.
- 1991 **Rees**, Lord Martin (John), b. 1942, OM, Kt, FRS, Emeritus Professor of Cosmology & Astrophysics, Institute of Astronomy, University of Cambridge, Madingley Road, Cambridge CB3 0HA, UK, Tel. Off. (+44-01223) 33 7548, Res. (+44-01223) 36 9043, Fax (+44-1223) 33 8500, email: mjr@ast.cam.ac.uk.
- 1997 **Roesky**, Herbert Walter, b. 1935, Director a.D., Institut fuer Anorganische Chemie der Universitaet Goettingen, Tammannstrasse 4, D-37077 Goettingen, Germany, Tel. Off. (+49-551) 393 3001, Res. (+49-551) 76183, Fax (+49-551) 393 3373, email: hroesky@gwdg.de, URL: www.roesky.chemie.uni-goettingen.de.
- 2019 **Sachdev**, Subir, b. 1961, Herchel Smith Professor & Department Chair, Department of Physics, Harvard University, Cambridge, MA 02138, USA, Tel. Off. (+1-617) 495 3923, Fax (+1-617) 496 2545, email: sachdev@g.harvard.edu, URL: <http://sachdev.physics.harvard.edu/>.
- 2014 **Schmidt**, Brian Paul, b. 1967, Nobel Laureate (Physics), FRS, Vice Chancellor, The Australian National University, via Cotter Road, Weston Creek, ACT 2611, Australia, Tel. Off. (+61-2) 6125 2510, Fax (+61-2) 6125 0260, email: vc@anu.edu.au, URL: <http://www.mso.anu.edu.au/~brian/>.
- 2003 **Sreenivasan**, Katepalli R, b. 1947, University Professor and Eugene Kleiner Chair, 1053 Physics Department, New York University, 726 Broadway, New York, NY 10003, USA, Tel. Off. (+1-347) 410 4509, email: krs3@nyu.edu.
- 2005 **Suresh**, Subra, b. 1956, President, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213, USA, Tel. Off. (+1-412) 268 2200, email: president@cmu.edu.
- 2000 **Sutherland**, Bill, b. 1942, Department of Physics, University of Utah, 115 S 1400 E Rm 201, Salt Lake City, Utah 8412-0830, USA, Tel. Res. (+1-206) 463 4417, Fax (+1-801) 581 4801, email: suther@physics.utah.edu; vsuther@comcast.net.

- Elected
Year
- 1981 **Thomas**, Sir John Meurig, b. 1932, FRS, F.R. Eng. (Hon.), FRSE (Hon.), Honorary Professor, Department of Materials Science & Metallurgy, University of Cambridge, 27, Charles Babbage Road, Cambridge, CB3 0FS, UK, Tel. Off. (+44-1223) 33 4300, Fax (+44-1223) 33 4567; email: jmt2@cam.ac.uk.
- 50
- 2001 **van den Heuvel**, Edward Peter Jacobus, b. 1940, Professor of Astrophysics, Astronomical Institute Anton Pannekoek, Faculty of Science, University of Amsterdam, P.O. Box 94249, NL-1090GE Amsterdam, The Netherlands, Tel. Off. (+31-20) 525 7491, Res. (+31-35) 542 9568, Fax (+31-20) 525 7484, email: E.P.J.vandenHeuvel@uva.nl; ed.van.den.heuvel@gmail.com.
- 2004 **Varadhan**, Sathamangalam Ranga Iyengar Srinivasa, b. 1940, Professor, Department of Mathematics, Courant Institute, New York University, 251, Mercer Street, New York, NY 10012, USA, Tel. Off. (+1-212) 998 3334, Res. (+1-212) 982 9883, Fax (+1-212) 995 4121, email: varadhan@cims.nyu.edu, URL: <http://www.math.nyu.edu/faculty/varadhan/>.
- 2018 **Verma**, Inder Mohan, b. 1947, Member-US Natl. Acad. Sci., Res. 1620 Valdes Drive, La Jolla, California, 92037, USA, Tel. (+1-858) 551 7558, Mobile: (+1-858) 967 9260, email: imohanv1@gmail.com.
- 2009 **Zare**, Richard Neil, b. 1939, Marguerite Blake Wilbur Professor in Natural Science, Department of Chemistry, Stanford University, Stanford, CA 94305-5080, USA, Tel. Off. (+1-650) 723 3062, Fax (+1-650) 725 0259, email: zare@stanford.edu.
- 54

**FELLOWS AND HONORARY FELLOW
ELECTED IN 2019
(effective January 2020)**

FELLOWS

- | | |
|--------------------------|-------------------------|
| 1. Agarwal, Vivek | 17. Ranjan, Rajeev |
| 2. Bal, Chandrasekhar | 18. Rao, T Narayana |
| 3. Bandyopadhyay, Bijnan | 19. Rath, S P |
| 4. Banerjee, Dipankar | 20. Reddy, Manjula |
| 5. Banerjee, Rinti | 21. Sabu, M |
| 6. Barman, Anjan | 22. Sankaran, Mahesh |
| 7. Basu, Bikramjit | 23. Saurabh, Saket |
| 8. Bharatam, P V | 24. Senthilkumaran, B |
| 9. Chandak, G R | 25. Singh, Maya Shankar |
| 10. Hazra, Rajat S | 26. Sinha, Alok K |
| 11. Khosla, Sanjeev | 27. Sreenivasan, Binod |
| 12. Mukherjee, Partha S | 28. Sundaresan, A |
| 13. Namboothiri, I N N | 29. Sureshan, K M |
| 14. Narayanan, Rishikesh | 30. Tiwari, V M |
| 15. Paul, Alope | 31. Tripathi, Anil K |
| 16. Prasad, Amritanshu | 32. Verma, M K |

HONORARY FELLOW

Atal, Bishnu S

SUBJECT-WISE LIST OF FELLOWS

ANIMAL SCIENCES

Total Fellows: 55

Name	Specialisation
Ali, Nahid	Immunology, Parasitology
Ali, Sher	Molecular Genetics of Humans & Animals, Gene Expression, Cancer Genomics and Genomics of Endangered Species
Bhatnagar, Rakesh	Vaccine Development, Genetic Engineering, Molecular Biology
Bhattacharya, Samir	Molecular Basis of Disease, Reproductive Biology, Comparative Endocrinology and Molecular Signalling
Borges, Renee M	Evolutionary Biology & Behavioural Ecology, Plant-Animal Insect-Fungus Interactions, Chemical Ecology, Sensory Biology, Multi-Model Signalling, Olfactions & Visual Ecology
Chandola-Saklani, Asha	Endocrinology, Clinical Data Management, Ornithology, Epidemiology, Conservation Biology, Data Science, Science Education
Chattopadhyay, Joydev	Mathematical Modelling on Ecology & Epidemiology and Eco-epidemiology
Dighe, Rajan	Molecular Endocrinology, Reproductive Biology, Biochemistry
Dube, Anuradha	Parasite (Leishmania), Immunobiology, Drug Vaccine Development
Dutta Gupta, Aparna	Insect Molecular Physiology, Integrated Insect Pest Management, Comparative Physiology, Endocrinology
Gadagkar, R	Animal Behaviour, Ecology and Evolution
Gadgil, Madhav	Ecology, Ecological History, Environmental Management and Traditional Knowledge Systems
Gore, Anil P	Analysis of Clinical Trials, Non-parametric Inference and Statistical Ecology
Hasan, Gaiti	Transcriptomics, Spino-Cerebellar Ataxia, Neurodegeneration, Molecular Genetics, Drosophila, Calcium Signalling in Neurons, Inositol Triphosphate Receptor
Inamdar, Maneesha S	Stem Cell Biology, Cardiovascular Development, Hematopoiesis & Angiogenesis
Jairajpuri, M S	Plant Protection, Nematology, Biological Control, Parasitology and Biological Diversity
Joshi, Amitabh	Population & Quantitative Genetics, Evolutionary Genetics and Population Ecology
Joshi, N V	Statistical Analysis, Mathematical Modelling in Biology
Karanth, K Ullas	Carnivore Ecology, Animal Population Analysis and Conservation Biology & Conservation Policy
Lakhotia, S C	Ayurvedic Biology, Cytogenetics, Gene Expression, Stress Biology and Molecular Biology
Madhubala, Rentala	Molecular Parasitology
Majumdar, Subeer S	Animal Biotechnology, Transgenic Animals, Endocrinology
Majumder, H K	Biochemistry, Molecular Biology and Parasitology
Majumder, Partha P	Biostatistics, Human Genetics and Population Genetics
Malhotra, K C	Population Genetics and Human Ecology

Mallick, B N	Neuropharmacology, Neurophysiology, Sleep-Wakefulness-REM Sleep, Neuro-cognitive Biology
Mandal, Mahitosh	Cancer Biology, Multidrug Resistance, Drug Delivery
Marimuthu, G	Animal Behaviour and Chronobiology
Mishra, R K	Genomics, Chromatin, Epigenetics
Mohanty-Hejmadi, P	Developmental Biology and Herpetology
Muralidhar, K	Biochemistry, Endocrinology and Reproductive Biology
Muthukkaruppan, V	Genetics of Retinoblastoma, Immunology, Angiogenesis in Ocular Diseases Adult and Ocular Stem Cells
Nanjundiah, V	Developmental Biology, Evolution
Narain, Prem	Statistical Genetics and Genomics
Niazi, I A	Developmental Biology of Animals and Regeneration
Pandian, T J	Genetics and Energetics: Aquaculture
Parnaik, Veena K	Cell Biology, Molecular Biology, Lamins and Nuclear Organisation
Ramachandra, N B	Drosophilla Genetics & Evolution, Human Genetic Disorders, Genome Genetics
Raman, R	Human Molecular Genetics & Cytogenetics, Gene Expression & Chromatin Organization in Development and Sex Determination
Ranganath, H A	Zoology, Genetics and Evolution
Roychoudhury, Susanta	Cancer Biology, Genomics, Human Genetics
Saidapur, S K	Biology of Reproduction, Comparative Endocrinology, Herpetology and Animal Behaviour
Sane, Sanjay P	Neuroethology, Biomechanics, Fluid Mechanics
Senthilkumar, B	Reproductive Biology, Molecular Endocrinology, Endocrine Toxicology
Shanbhag, Bhagyashri A	Comparative Endocrinology & Reproduction (Vertebrates), Herpetology and Animal Behaviour
Shashidhara, L S	Developmental Biology, Evolution and Genetics
Shivaji, S	Anti-Microbial Resistance, Gut Microbiome, Eye Disease, Conservation Biology, Mammalian Sperm Function, Bacterial Biodiversity of Cold Habitats, Cold Adaptation
Singh, Mewa	Animal Behaviour, Wild Life Ecology and Sociobiology
Sinha, Somdatta	Theoretical Biology, Complex Systems in Biology and Nonlinear Dynamics, and Computational Biology
Subba Rao, B R	Biological Control, Entomology and Taxonomy of Chalcidoidea
Subramaniam, Kuppuswamy	Developmental Biology, Genetics, Cell Biology
Sukumar, R	Wild Life Ecology, Forest Ecology and Climate Change
Susheela, A K	Fluorosis Disease Management & Research
Tahseen, Qudsia	Nematology, Classical & Molecular Taxonomy, Developmental Biology & Ecology & Functional Diversity of Soil and Freshwater Nematodes
Thelma, B K	Human Genetics, Pharmacogenetics and Medical Genomics

CHEMISTRY

Total Fellows: 197

Name	Specialisation
Ahluwalia, J C	Thermodynamics of Biopolymers & Surfactants in Solutions and Solute-Solvent Interactions
Ajayaghosh, A	Organic Functional Materials, Molecular Self-Assembly, Molecular Organogels and Pi-Conjugated Systems
Anand, Nitya	Medicinal Chemistry
Anil Kumar,	Nuclear Magnetic Resonance Spectroscopy, NMR Techniques & its Applications to Biomolecules and Quantum Computing
Anil Kumar,	Chemical Thermodynamics, Physical Organic Chemistry and Biophysical Chemistry
Arunan, E	Molecular & Van Der Waal's Spectroscopy, Chemical Kinetics & Dynamics, Astrochemistry/Astrophysics, Wave Interactions with Molecular/Materials
Bagchi, Biman	Glass Transition, Physical & Biophysical Chemistry, Statistical Mechanics of Liquids, Molecular Relaxation and Chemical Reaction Dynamics in Liquids & Biological Systems
Balasubramanian, K K	Molecular Rearrangements, Carbohydrate Chemistry, Organic Electrophotochemistry, Synthetic Organic Chemistry and Heterocyclic Chemistry
Balasubramanian, S	Ionic Liquids, Moulding Enzymes, Supramolecular Polymers, Molecular Simulations, Computational Chemistry
Banerjee, Arindam	Molecular Assembly, Soft Materials & Hybrid Nanomaterials, Bio-organic Chemistry
Basak, Amit	DNA Interacting Agents, Asymmetric Synthesis and Enzymology, Diradical Chemistry, Capture Chemistry
Basavaiah, D	Baylis-Hillman Chemistry and Chiral Catalysis
Baskaran, S	New Synthetic Methods, Green Synthesis, Biologically Active Natural Products
Bera, J K	Organometallic Chemistry, Small Molecule Activation, Catalysis
Bhaduri, Sumit	Organometallic Chemistry and Catalysis
Bhakuni, D S	Natural Products, Bio-organic, Biosynthesis, Nucleosides and Medicinal Chemistry
Bharadwaj, P K	Supramolecular Chemistry, and X-ray Crystallography
Bharatam, Prasad V	Organic Synthesis of Computationally Designed Compounds, Theoretical Organic Chemistry, Pharmacoinformatics
Bhattacharya, Samaresh	Co-ordination Chemistry and Organometallic Chemistry
Bhattacharya, Santanu	Chemical Biology, Molecular Theranostics, Soft Materials, Supramolecular Analytical Chemistry, Nanoscience & Nanotechnology
Bhattacharyya, Aninda J	Materials chemistry, Electrochemistry
Bhattacharyya, K	Femtosecond Laser Spectroscopy, Single Molecule Spectroscopy
Bhattacharyya, S P	Quantum Chemistry
Chakraborti, Asit K	Synthetic Organic Chemistry, Green Chemistry, Medicinal Chemistry

Chakraborty, Tapas	Atmospheric Chemistry, Molecular Spectroscopy, Mass Spectrometry, Gas Phase Photochemistry
Chakraborty, Tushar K	Peptides & Peptidomimetics, Organic Synthesis
Chakravarty, A R	Bioinorganic Chemistry, Co-ordination Chemistry and Metal-based Anti-Cancer Agents
Chakravorty, A	Inorganic Chemistry
Chandra, Amalendu	Statistical Mechanics of Liquids & Interfaces, Classical & Quantum Simulations and Molecular Modelling
Chandrakumar, N	Dynamic Nuclear Polarisation, Magnetic Resonance Imaging, MR Spectroscopy & Instrumentation and Spin Physics
Chandrasekaran, S	Synthetic Organic Chemistry, Natural Products and Organometallic Chemistry
Chandrasekhar, J	Computational Chemistry, Theoretical Organic Chemistry
Chandrasekhar, Srivari	Natural Product Synthesis, Green Chemistry, Combinatorial Chemistry
Chandrasekhar, V	Organometallic Chemistry, Inorganic Rings & Polymers and Many-Group Chemistry
Chandrashekar, T K	Bio-inorganic Chemistry, Synthetic Inorganic Chemistry and Catalysis
Chattaraj, P K	Hydrogen Storage, Density Functional Theory, Nonlinear Dynamics and Chemical Reactivity, Aromaticity in Metal Clusters
Chattopadhyay, Arun	Nanoscience & Nanotechnology
Chattopadhyay, Nitin	Biophysical Chemistry, Surface Chemistry, Photophysics & Photochemistry, Time-resolved Spectroscopy, Fluoresensing
Chaudhuri, Arabinda	Dendritic Cell Targeted Cancer Immunotherapy
Chaudhuri, M K	Synthesis, Structure & Reactivity, Newer Reagents and Methodologies and Green Chemical Technology
Choudary, B M	Homogeneous & Heterogeneous Catalysis, Flow Reactions, Nanotechnology, Nanomedicine
Das, Amitava	Molecular Reactions, Supramolecular Chemistry, Assembly Photo-included Processes
Das, Prasanta K	Bio-organic Chemistry, Supramolecular Self Assemblies, Enzymology, Soft Nanocomposite in Cellular Transportation
Das, Puspendu K	Laser Spectroscopy & Dynamics and Nonlinear Optics
Das, Samar K	Co-ordination Chemistry, Polyoxometalate-based Cluster Chemistry, Supramolecular Chemistry
Das, Suresh	Photochemistry, Photoresponsive Materials, Liquid Crystals, Photosensitizing Dyes, Photoluminescent Materials and Photo-induced Electron Transfer
Dasgupta, Swagata	Biophysical Chemistry, Protein-Protein Interactions, Protein-Small Molecule Interactions
Dash, A C	Physical Inorganic Chemistry
Dastidar, Parthasarathi	Drug Delivery, Crystal Engineering, Supramolecular Gels, Co-ordination Polymers
Deb, B M	Theoretical Chemistry and Chemical Physics, Indian Culture & Civilisation
Desiraju, G R	
Dhavale, Dilip D	Peptide Chemistry, Natural Products Chemistry, Carbohydrate Chemistry, Photochemistry, Reaction Mechanism, Medicinal Chemistry
Durga Prasad, M	Theoretical Chemistry

Gadre, S R	Quantum Chemistry and Computer Applications
Ganguli, Ashok K	Solid State & Materials Chemistry, Nanomaterials, Superconducting Materials
George, Subi J	Supramolecular Chemistry, Organic Materials
George Thomas, K	Photochemistry & Photophysics, Nanostructured Materials and Photoresponsive Materials
Gharda, K H	Process Design of Organic Chemical Plants/MFR High Performance Pigments and Polymers
Ghorai, M K	Synthetic Organic Chemistry
Ghosh, Ashutosh	Co-ordination Chemistry, Crystal Structure, Magnetic Properties & Catalysis, Analytical Chemistry
Ghosh, H N	2-D Materials, Terahertz Spectroscopy, Radiation & Photochemistry, Quantum Dot & Nanomaterials, Ultrafast Spectroscopy in Condense Phase
Ghosh, P K	Processes Research, Water Purification, Renewable Energy, R&D Management
Ghosh, Pradyut	Molecular Recognition, Chemical Sensing, Interlocked Molecular Systems, Molecular Self-Assdembly Catalysis
Ghosh, Subrata	Cycloaddition Reactions and Total Synthesis of Natural Products
Ghosh, Sundargopal	Main-Group Chemistry, Organometallic Chemistry
Ghosh, Swapan K	Theoretical Chemistry, Computational Materials Science and Soft Condensed Matter Physics
Gopalakrishnan, J	Solid State Chemistry, Synthesis & Structure and Chemistry of Oxide Materials
Gopidas, K R	Photochemistry, Photo-induced Electron Transfer, Supramolecular Chemistry
Gopinath, C S	Water Splitting, Materials Science, Surface Science, Heterogeneous Catalysis, Spectroscopy
Gopinathan, M S	Quantum Chemistry and Nonlinear Dynamics in Chemistry & Biology
Goswami, Sreebrata	Chemical Reactions with Metal -Ligand Co-operation, Chemical Catalysis, Material Design for Ultra-Low Energy Computing
Govil, G	Molecular Biophysics
Gurjar, M K	Carbohydrate Chemistry and Synthetic Organic Chemistry
Guru Row, T N	Chemical Crystallography, Charge Density Analysis, Functional Materials Polymorphism & Drug Design
Harjit Singh, Hegde, M S	Organic Synthesis and Heterocycles
Hosur, R V	X-ray Photoelectron Spectroscopy, Solid State Chemistry, Nanomaterials, Automative Exhaust Catalysis
Ila, H	Structural Biology, NMR Spectroscopy and Protein Folding
Iqbal, Javed	Synthetic Organic Chemistry, Heterocyclic Chemistry, Medicinal Chemistry
Jagirdar, B R	Medicinal Chemistry, Drug Design & Discovery, Organometallic Chemistry and Catalysis
Jayaraman, N	Organometallic Chemistry, Materials Chemistry, Catalysis
Jemmis, E D	Carbohydrate Chemistry, Dendrimer Chemistry, Synthetic Organic Chemistry
Junjappa, H	Theoretical & Computational Chemistry
	Synthetic & Mechanistic Organic Chemistry

Kaliappan, K P	Organic Synthesis, Medicinal Chemistry, Natural Products
Kant, Rama	Complex Systems in Electrochemistry & Polymers, Theoretical Chemistry, Nanoelectrochemistry
Kartha, V B	Atomic, Molecular & Laser Spectroscopy, Synchrotron Spectroscopy and Applications of Lasers in Medicine & Biochemistry
Kasturi, T R	Synthetic, Structural & Mechanistic Organic Chemistry and Spectroscopy
Kessar, S V	Synthetic & Mechanistic Organic Chemistry
Khan, F A	Synthetic Organic Chemistry, Natural Products, Synthetic Methodologies
Kotha, Sambasiva R	New Synthetic Methods, Unnatural Amino Acids, Transition Metals in Organic Synthesis
Krishnamurthy, S S	Main Group Chemistry and Organometallic Chemistry
Krishnan, V	Bio-inorganic Chemistry
Kulkarni, Giridhar U	Nanomaterials, Nanolithography & Fabrications, Neuromorphic Devices, Molecular Systems & Properties
Kumara Swamy, K C	Organophosphorous Chemistry, Catalytic Organic Chemistry, Transformations Chemistry of Main-Group Elements
Lahiri, Goutam K	Organometallic Chemistry and Catalysis
Madyastha, K M	Bio-organic Chemistry, Xenobiotics Metabolism, Plant Biochemistry and Microbial Transformations
Mahapatra, Susanta	Nonadiabatic Processes, Theoretical Chemical Dynamics
Maiti, Sudipta	Microscopy, Optical Spectroscopy
Maitra, Uday	Photoluminescent Sensors, Chemistry of Bile Acids, Organo & Hydrogels, Soft Composite Materials
Maji, Tapas K	Porous Materials, Inorganic-Organic Hybrid nanomaterials, Molecule-based Magnetic & Optoelectronic Materials
Mandal, A B	Electrochemistry, Thermodynamics, Ionic Liquids, Biophysical Chemistry, Organised Self-Assemblies and Nanomaterials
Manoj Kumar,	Supramolecular Chemistry, Functional Materials
Mathews, C K	High Temperature Chemistry, Solid State Ionics & Sensors, Materials Characterization and Instrumentation
Mathur, Pradeep	Organometallics and Cluster Chemistry
Mehta, G	Synthetic Organic Chemistry and Natural Products Chemistry
Mishra, Manoj K	Electronic Structure Theory, Photo/Collisional Dynamics
Mitra, S	Biological Chemistry and Inorganic Biochemistry
Mittal, J P	Radiation Chemistry & Radiation Biology, Photochemistry & Photobiology, Laser Chemistry and Chemical Dynamics
Moorthy, J Narasimha	Organic Photochemistry, Supramolecular Chemistry, Organic Synthesis
Mugesh, G	Bioinorganic Chemistry, Chemical Biology, Medicinal Chemistry
Mukherjee, D	Theoretical Chemistry and Theoretical Spectroscopy
Mukherjee, P S	Supramolecular Chemistry
Mukherjee, R N	Bioinorganic Chemistry
Murugavel, R	Inorganic Materials Chemistry
Nag, K	Inorganic Chemistry

Nagarajan, K	Natural Product, Medicinal, Pesticide & Synthetic Heterocyclic Chemistry, Applications of NMR to Structure & Reactivity
Nair, G Vijay	Synthetic Organic Chemistry, Heterocyclic Chemistry, Organocatalysis
Namboothiri, I N N	Synthetic & Physical Organic chemistry
Nandi, Arun K	Polymer Crystallisation & Gelation, Polymer Blends & Hybrids, Polymer Nanocomposites, Supramolecular Polymers
Nangia, Aswini	Crystal Engineering, Supramolecular Chemistry and Polymorphism
Natarajan, S	Inorganic Materials Chemistry and Solid State Chemistry
Pal, Sourav	Electronic Structure Theory, ab initio Quantum Chemistry, Chemical Reactivity and ab initio Molecular Dynamics
Palaniandavar, M	Bioinorganic Chemistry, Activation of Molecular Oxygen, Functional Models for Metalloproteins, Interaction of Metal Complexes with DNA & Proteins, Metal-based Anti-Cancer Drugs
Palit, Dipak K	Ultrafast Spectroscopy, Photo & Radiation Chemistry and Chemical Reaction Dynamics in Condensed Phase
Pandey, D S	Co-ordination Chemistry, Organometallic Chemistry, Bio-inorganic Chemistry
Pandey, G P	Organic Synthesis
Patel, B K	Organic Synthesis, Reaction Mechanisms, Green Chemistry
Pathak, Tanmaya	Synthetic Organic Chemistry, Nucleoside & Carbohydrate Modification, Enzyme Inhibition
Pati, Swapan K	Low-Dimensional Dipolar Fermionic & Bosonic Systems, Generalised Charge Transfer Frustrated Lewis Pair Catalysis, Heterogeneous Catalysis, Supercapacitors, Many-Body Methods
Patra, Amitava	Nanoscience, Spectroscopy Photophysics
Periasamy, M	Organometallics & Chiral Reagents, Electrochemical Cells, MP Organic Energy Technologies
Periasamy, N	Fluorescence Spectroscopy & Applications, Materials Chemistry
Pillai, V N R	Bio-organic Chemistry, Synthetic Organic Chemistry & Macromolecular Science
Pradeep, T	Water Purification, Molecular & Nanoscale Materials, Nanoscience & Nanotechnology, Molecular Surfaces, Ion Scattering and Instrumentation
Pradhan, Narayan	Materials Design, Materials Properties, Nanomaterials
Prasad, B L V	Materials Chemistry, Self-Assembly, Nanoparticle Synthesis
Prasad, K R	Organic Synthesis, Total Synthesis of Natural Products, Asymmetric Synthetic Strategies
Punniyamurthy, T	Synthetic Organic Chemistry
Radhakrishnan, T P	Materials Chemistry
Rajagopalan, S R	Electrochemistry
Rajappa, S	Synthetic Organic Chemistry
Rama Rao, A V	Medicinal Chemistry, Drug Technology
Ramachary, D B	Asymmetric Supramolecular Organocatalysis, Sequential 1-pot Multi-component Reactions, Total Synthesis
Ramaiah, D	Bio-organic Chemistry, Photobiology, Biophysical Chemistry, Organic Photochemistry

Ramakrishnan, Subramaniam	Polymerizable Surfactants, Polymer Synthesis, Polymer Folding & Assembly and Hyperbranched Polymers
Ramamurthy, V	Chemistry in Confined Spaces, Photochemistry, Supramolecular Chemistry and Organic Solid State Chemistry
Ramana, C V	Total Synthesis, Carbohydrate Chemistry, Transition Metal Catalysis
Ramaraj, R	Photoelectrocatalysis & Nanomaterials, Chemically Modified Electrodes, Solar Energy Conversion, Catalysis and Sensors
Ramasami, T	Physical Inorganic Chemistry, Bio-Inorganic Chemistry and Leather Science & Technology
Ramasesha, S	Many-Body Quantum Chemistry, Organic Solids, Molecular Electronics, Molecular Magnetism and Nonlinear Optics
Ramaswamy, R	Nonlinear Science, Systems Biology & Bioinformatics, and Chemical Dynamics
Ranu, B C	Visible Light Photocatalysed Reactions, Green Chemistry, Indium-mediated Supported Metal and Metal Nanoparticle-catalysed Reactions, Organic Synthesis
Rao, C N R	Bioinorganic Chemistry, Supramolecular Chemistry, Ion & Molecular Receptors, Metalloproteins & Metalloenzymes
Rao, C Pulla	Solid State Chemistry, Surface Science, Spectroscopy and Molecular Structure
Rao, K J	Amorphous Solids & Ceramics and Phase Transitions
Rath, S P	Bioinorganic Chemistry, Physical Inorganic Chemistry, Supramolecular Chirogenesis
Ravikanth, M	Supramolecular Chemistry, Co-ordination Chemistry, Photochemistry
Ray, D S	Nonlinear Dynamics and Nonequilibrium Statistical Mechanics
Roy, Sujit	Metal-based Ayurvedic Drugs, Organometallic Chemistry, Catalysis for Fine Chemicals, Dual & Biometallic Catalysis, Carbon-Hydrogen Functionalisation
Samanta, Anunay	Spectroscopy, Dynamics of Transient Species, Charge Carrier Dynamics in Perovskites, Photoprocesses in Ionic Liquids
Sampath, S	Organic Thin Films, Layered Chalcogenides, Interfacial Electrochemistry, Nanostructured Materials, Fuel Cells & Supercapacitors, SERS and Electrochemical Sensors
Sankararaman, S	Synthetic & Mechanistic Organic Chemistry, Organometallic Chemistry, Organic Photochemistry
Sarkar, S	Metalloproteins, Graphene Life Cycle, Bioimaging, Drug Encapsulation & Delivery, Harvesting Earth's Radiant Energy
Sarma, D D	Strongly Interacting Electron Systems, Disordered Systems, Nanomaterials and Energy Materials
Sastry, G Narahari	Computational Chemistry, Theoretical Chemistry, Computer-aided Drug Design
Sastry, Murali	Surface Physics, Hybrid Materials and Nano Materials
Sathyamurthy, N	Molecular Reaction Dynamics & Theoretical Chemistry, Atomic & Molecular Clusters and Atoms & Molecules in Confined Environment
Sebastian, K L	Theoretical Chemistry
Sen, K D	Quantum Model Potentials, Density Functional Theory, Confined Systems, Information Theory, Statistical Complexity

Shukla, A K	Materials Electrochemistry, Fuel Cells, Batteries and Supercapacitors
Singh, Anil K	Bio-organic Chemistry, Photochemistry and Photobiology
Singh, Harkesh B	Main Group Chemistry, Organochalcogen Chemistry and Organometallic Chemistry
Singh, M S	Organic Synthesis Methodology, Chemistry of B-Ketodithioesters & Related Systems, Visible-light Mediated Photocatalytic Reactions
Singh, Vinod K	Synthetic Organic Chemistry
Sinha, A P B	Solid State Materials
Subba Rao, G S R	Synthetic & Mechanistic Organic Chemistry and Natural Product Chemistry
Subramanian, S	NMR, EPR, Theoretical Chemistry and Magnetic Resonance Imaging
Subramanian, V	Functional & Nanomaterials, Computational Chemistry, Non-Covalent Interactions, Biomolecular Simulations
Sukh Dev,	Synthesis, Natural Products, Drug Discovery
Sundaram, S	Textile Technology, Chemical Plant and Synthetic Fibre Technology
Sundaresan, A	Superconductivity, Magnetism, Multiferroics
Sunoj, Ragahvan B	Asymmetric Catalysis, Machine Learning, Computational Chemistry, Theoretical Chemistry
Sureshan, K M	Supramolecular Chemistry, Crystal Engineering
Swaminathan, S	Organic Chemistry
Taqui Khan, M M	Co-ordination Chemistry, Bioinorganic Chemistry and Catalysis
Tyagi, Avesh K	Hybrid Materials, Metastable Materials, Chemistry of Functional Materials, Nanomaterials, Nuclear Materials
Umapathy, Siva	Instrumentation Development, Microspectroscopy, Laser Spectroscopy, Photochemistry and Ultrafast Dynamics
Vairamani, M	Mass Spectrometry
Vankar, Y D	Synthetic Organic Chemistry, Synthetic Carbohydrate Chemistry
Varadarajan, S	Organic & Biological Chemistry, Molecular Biology, Engineering Design Technology Development Transfer, Human Nutrition Policy, Energy Management Systems
Vasudevan, S	Physical Chemistry of Materials, Intercalation Chemistry and Heterogeneous Catalysis
Verma, Sandeep	Chemical Biology, Responsive Soft Matter, Bionanotechnology
Vijayamohanam, K	Electrochemical Power Sources, Functional Materials, Electrochemistry, Nanotechnology and Materials Chemistry
Yadav, J S	Biologically Active Natural Products, Agrochemicals & Pheromones, Development of New Methodologies for Sustainable Chemistry
Yadav, Veejendra K	Synthetic Organic Chemistry and Computational Organic Chemistry
Yashonath, S	Non-equilibrium Studies, Nanomorphology, Ionic Conduction in Solutions, Computational Chemistry & Intermolecular Forces and Diffusion within Porous & Dense Media

EARTH AND PLANETARY SCIENCES

Total Fellows: 88

Name	Specialisation
Ahmad, Talat	Igneous Petrology, Geochemistry, Himalayan Geology
Anil, A C	Biological Oceanography, Marine Ecology, Marine Biology
Arora, B R	Electromagnetic Geophysics, Seismotectonics and Geomagnetism
Bajpai, Sunil	Paleoecology, Vertebrate Paleontology, Biostratigraphy and Paleobiogeography
Beig, Gufran-Ullah	Atmospheric Sciences, Atmospheric Chemistry, Air Pollution, Environment, Chemical Climate Change, Air Quality Forecasting
Bhandari, Narendra	Planetary Sciences, Nuclear Geophysics and Exploration of Moon & Mars
Bhardwaj, Anil	Planetary & Space Sciences, Planetary Observations & Missions, Solar system Science & Exploration
Bhat, G S	Tropical Convection, Atmospheric Boundary Layer Field Experiments, Ocean-Atmosphere Coupling
Bhattacharya, S K	Isotope Geochemistry and Anomalous Isotope Fractionation
Bhattacharyya, Archana	Ionospheric Physics, Geomagnetism and Space Weather
Bhonsle, R V	Solar Terrestrial Physics and Radio Astronomy
Bhowmik, Santanu K	Metamorphic Petrology, Accessory Mineral Petrology, Tectonics
Chander, Ramesh	Seismology and Geophysics
Dasgupta, Somnath	Metamorphic Petrology, Geochemistry and Precambrian Geology
Dileep Kumar, M	Control of Sea Water Composition, Biogeochemical Cycles & Global Change and Chemical Oceanography
Gadgil, Sulochana	Meteorology, Oceanography and Evolutionary Biology
Gahalaut, V K	Seismology, Tectonic Geodesy, Geodynamics
Gaur, V K	Seismotectonics, Geophysical Inversion and Earth System Sciences
Gopalan, K	Geo- & Cosmo-Chronology, Isotope Geology and Mass Spectrometry
Goswami, B N	Tropical Meteorology, Monsoon Dynamics, Predictability of Weather & Climate and Air-Sea Interactions
Goswami, J N	Solar System Studies, Pre-Solar (Stellar) Processes and Geochronology
Gupta, Alok K	Experimental Petrology, Mineralogy and Geochemistry
Gupta, Anil K	Paleomonsoon, Paleoclimatology and Paleoceanography
Haider, S A	Planetary Atmospheres, Ionosphere & Magnetosphere of Mars
Jayananda, M	Solid Earth Geochemistry, Geochronology, Archean Continental Growth & Tectonics of the Evolving Earth
Jayaraman, Achuthan	Atmospheric Science, Aerosols and Radiative Transfer
Kamra, A K	Atmospheric Electricity, Cloud Physics and Aerosol Physics
Krishna, K S	Marine Geophysics, Lithospheric Dynamics, Tectonics, Plate Tectonics
Krishna Kumar, K	Monsoon Dynamics, Predictability & Prediction, Climate Change & Impacts and Climate Applications

Krishnamoorthy, K	Microphysics, Regional Radiative Forcing, Equatorial Aeronomy, Atmospheric Aerosols, Radiation Budget & Climate Science and Climatology
Krishnan, Raghavan	Monsoon & Climate Dynamics, Atmosphere-Ocean-Land System, Monsoon Hydrological Cycle
Lal, Shyam	Ozone & Trace Gases for Atmospheric Processes and Environmental & Climatic Changes
Mandal, Nibir	Structural Geology, Solid Earth Geophysics and Tectonics
Merh, S S	Structural Geology, Himalayan Geology and Quaternary Geology
Mishra, S K	Dynamic Meteorology and Numerical Modelling of the Atmosphere
Mohan, Anand	Metamorphic Petrology, Mineralogy, Thermodynamics and Precambrian Geology
Mohanty, U C	Numerical Weather Prediction, Monsoon Dynamics, Climate Modelling and Tropical Meteorology and Mesoscale Modelling System
Mujumdar, Pradeep P	Hydrology, Climate Change Impacts, Uncertainty Quantification
Mukhopadhyay, D	Structural Geology, Precambrian Geology
Murty, S V S	Early Solar System & Pre-Solar Processes, Cosmochemistry of Nitrogen & Noble Gases, Mass Spectrometry and Planetary Exploration
Nanjundiah, Ravi S	Monsoon Studies using Climate Models, Application of HPC/Grid Computing for Climate & Weather Studies, Machine Learning of Monsoon Prediction & Downscaling
Naqvi, S W A	Chemical Oceanography, Palaeo-Oceanography, Global Change and Aquatic Biogeochemistry
Navalgund, R R	Remote Sensing, Space Applications, Magnetic Resonance
Nayak, Shailesh	Science Diplomacy, Remote Sensing, Coastal & Ocean Processes, Oceanography
Pandey, P C	Satellite Oceanography, Atmospheric Sciences, Climate Change and Polar Research
Patnaik, Rajeev	Vertebrate Evolution, Palaeoecology, Geological Context of Primate/Human Evolution, Impact of Climate Change on Evolution
Patra, Amit K	Ionospheric Electrodynamics & Plasma Instabilities, Space Weather, Radar Probing Techniques
Prasad, G V R	Vertebrate Palaeontology, Mesozoic Mammals and Cretaceous Palaeobiogeography
Purnachandra Rao, V	Marine Geology, Authigenic Minerals and Palaeoclimate, Palaeo-sea-levels
Radhakrishna, T	Geochemistry & Igneous Petrology, Palaeomagnetism and Geodynamics
Rai, S S	Geophysics, Data Analysis & Modelling Deep Earth Exploration
Rajamani, V	Geochemistry, Rock Weathering, Soil/Sediment Genesis and Farmland Geology
Rajeevan, M	Climate Variability, Monsoon Prediction, Climate Change
Rama,	Isotope Hydrology
Ramakrishnan, M	Precambrian Geology, Geochemistry, Petrology and Geochronology

Rao, M N	Cell & Tissue Biophysics, Solar System Physics, Mars Fundamental Research, Earth & Planetary Sciences and Lunar & Meteorite Sample Studies
Rao, N V Chalapathi	EPMA & SEM, Mineralogy, Igneous Petrology, Mantle Geochemistry, Geodynamics, Mineral Resources
Rao, P B	Space Physics, Radiowave Propagation and Radar Systems
Rao, T Narayana	Radar Meteorology, Microphysics & Dynamics of Clouds Precipitation, Monsoon Meteorology
Roy, A B	Precambrian Geology and Geology of Indian Shield
Sahni, Ashok	Vertebrate Palaeontology, Palaeobiogeography and Electron Microscope Applications to Biomineralization
Sarin, M M	Atmospheric & Aerosol Chemistry and Chemical Oceanography
Sarkar, Anindya	Stable Isotope Geochemistry, Palaeoclimatology
Sarma, V V S S	Biogeochemistry, Stable Isotopes, Remote Sensing
Satheesh, S K	Aerosols, Radiation, Climate
Sengupta, Pulak	Geochemistry, Precambrian Geology, Metamorphic Petrology
Shankar, D	Ecosystem dynamics, Tropical Ocean Dynamics, Ocean-Atmospheric Interactions
Sharma, R S	Metamorphic Petrology, Mineralogy and Precambrian Geology
Shenoi, S S Chandra	Physical Oceanography, Ocean-Atmosphere Interaction and Satellite Oceanography
Shetye, S R	Physical Oceanography
Singh, R N	Geophysics and Geophysical Environmental, Earth System Modelling
Singh, Sarva Jit	Theoretical Seismology and Applied Mathematics
Singh, Sunil K	Low Temperature Elemental & Isotope Geochemistry, Biogeochemistry of Trace Elements & Isotopes, Earth Surface & Ocean Processes
Singhvi, A K	Quaternary Geochronology, Earth Surface Processes and Past Climates Tectonics and Radiation Effects in Minerals
Sreenivasan, Binod	Earth & Planetary Magnetism, Dynamo Theory, Magnetohydrodynamics
Sridharan, Rajagopal	Solar Terrestrial Physics, Space Physics, Optical Aeronomy and Planetary Atmospheres
Srinivasan, M S	Micropaleontology, Paleooceanography and Marine Geology
Srinivasan, Ramaswamiah	Tectonics, Stratigraphy, Precambrian Geology, Archaean Palaeobiology and Geochemistry
Srivastava, D C	Structural Geology and Fluid Inclusions
Srivastava, R K	Igneous Petrology, Geochemistry, Precambrian Geodynamics
Subbarao, K V	Volcanology, Igneous Petrology and Palaeomagnetism, Natural History
Tandon, S K	Geomorphology, Sedimentology, Physical Stratigraphy and Quaternary Geology
Thakur, V C	Structural Geology, Tectonics of Himalayan Geology and Active Tectonics
Tiwari, V M	Exploration Geophysics, Gravimetry, Geodynamics

Valdiya, K S	Sedimentary Geology, Tectonics and Environmental Geology
Venkataraman, Chandra	Aerosol Science & Engineering, Environmental & Climate Science, Atmospheric Science
Vinayachandran, P N	Physical Oceanography, Ocean Modelling, Physical-Biological Interactions in Ocean
Yadav, Ram Ratan	Palaeoclimatology, Tree Ring Analysis, Climate Change, Biodiversity

ENGINEERING & TECHNOLOGY

Total Fellows: 147

Name	Specialisation
Agarwal, Vivek	Power Electronics, Renewable Energy, Power Quality
Agrawal, Manindra	Computational Complexity Theory and Computation Number Theory
Amarjit Singh,	Millimeter Wave Tubes, Microwave Tubes and Microwave Electronics
Anand, G V	Statistical Signal Processing, Ocean Acoustics and Nonlinear Dynamics
Arakeri, J H	Fluid Mechanics, Heat Transfer, Turbulence
Arakeri, V H	Cavitation, Hydrodynamics and Two-phase Flows
Arunachalam, V S	Materials Science & Engineering, Energy Technologies, Defence Technologies and Science, Technology & Public Policy
Balakrishnan, N	Numerical Electromagnetics, Information Security, Complex Networks, and Aerospace Electronic Systems
Bandyopadhyay, Bijan	Control Systems, Variable Structure & Sliding, Mode Control
Banerjee, D	Metallurgy, Titanium Alloys and Electron Microscopy
Banerjee, Soumitro	Nonlinear Dynamics, Switching Dynamical systems
Banerjee, Srikumar	Materials Science, Physical Metallurgy, Phase Transformations, Nuclear Fuel Cycle, Nuclear Materials and Reactor Engineering
Basu, Bikramjit	Biomedical Engineering, Engineering Ceramics & Coatings, Solar Reflector/Absorber Materials
Bhanu Sankara Rao, K	Mechanical Metallurgy, Physical Metallurgy and Materials Development
Bhatia, S K	Transport & Reaction in Nanostructured Porous Media, Adsorption and Mathematical Modelling
Bhatnagar, Shalabh	Stochastic Approximation, Algorithms Optimisation, Control of Random Dynamical Systems, Smart Grids, Wireless & Vehicular Traffic Networks
Biswas, Gautam	Enhancement of Heat Transfer, Computational Fluid Dynamics, Boiling Drops & Bubbles Turbulence, Microfluidics
Borkar, V S	Stochastic Control Theory and Applied Probability
Bose, D N	Optoelectronics, Semiconductor Materials & Devices, VLSI Technology, Solar Photovoltaics
Chakrabarti, P P	Embedded Systems, Artificial Intelligence, Computer Aided Design for VLSI and Algorithms
Chakrabarti, Soumen	Text Search, NLP, Social Networks

Chakraborty, Suman	Thermal & Fluid Science, Micro & Nanoscale Transport, Interfacial Phenomena & Phase Change
Chakravorty, D	Materials Science and Nanomaterials
Chandru, Vijay	Computational Mathematics, Computational Biology, Intelligent Health Systems
Chattopadhyay, K	Physical Metallurgy and Materials Science & Engineering
Chaudhari, R V	Homogeneous and Heterogeneous Catalysis, Biomass Conversion; Multiphase Reactors, Chemical Reaction Engineering and Kinetics & Mechanism
Chaudhuri, Subhasis	Machine Learning, Computational haptics, Computer Vision and Image Processing
Chhabra, Rajendra P	Transport Phenomena, Rheology, Non-Newtonian Fluids
Chockalingam, A	Wireless Communications, Wireless Networking
Chokshi, Atul H	High Temperature Deformation & Failure, Ceramics and Nanomaterials
Choudhary, V R	Heterogeneous Catalysis, Zeolites: Adsorption/Catalysis and Natural Gas Conversion/Utilization, Green Chemistry/processes
Dasgupta, Pallab	Electronic Design Automation, Artificial Intelligence, Formal Methods
Dastidar, P R	Electronics, Controls and Nuclear Power
Deb, Kalyanmoy	Optimization & Design, Genetic Algorithms and Multiobjective Optimization
Deekshatulu, B L	Machine Learning, Control Systems, Digital Image Processing, Pattern Recognition and Remote Sensing
Deshpande, S M	Aerodynamics, Direct Numerical Simulations, Computational Fluid dynamics, Meshfree Methods and Data Assimilation
Dey, Gautam Kumar	Phase Transformations in Metals & Alloys, Electron Microscopy and Metallic Glasses & Nanocrystalline Materials
Dey, Subhasish	Fluid Mechanics, Hydrodynamics, Turbulence, Sediment Transport
Dutta, Pradip	Heat Transfer, Energy Studies
Dutta Roy, S C	Signal Processing, Network Theory and Electronic Circuits
Gandhi, K S	Batteries and Fuel Cells, Multiphase Fluid Systems and Polymer Reaction Engineering
Ganguly, C	Fuel Cycle, Advanced Ceramics, Powder Metallurgy and Uranium, Thorium & Plutonium Fuels
Garg, Naveen	Approximation Algorithms, Combinatorial Optimisation, Graph Theory & Algorithms
Ghosh, Amitabha	Manufacturing Science, Machine Dynamics & Mechanisms, Classical Mechanics and Robotics
Ghosh, Subir K	Computational Geometry & Applications, Robot Motion Planning and Geometric Graph Theory
Goel, P S	Satellite Control Systems, Space Technology and Earth Systems
Gopalakrishnan, S	Wave Propagation, Structural Health Monitoring, Computational Mechanics
Govindarajan, Rama	Fluid Mechanics
Gupta, Santosh K	Polymer Engineering & Science, Bio-mimetic Adaptations of Multi-objective Evolutionary Algorithm and Experimental Online Optimal Control
Hariharan, Ramesh	Computational Biology, Molecular Diagnostics, Design & Analysis of Algorithms

Haritsa, Jayant R	Database Systems
Irani, J J	Iron & Steel Making
Iyengar, R N	Structural Dynamics, Earthquake Engineering, Applied Stochastics and History of Science
Jacob, K T	Thermodynamics of Materials, Phase Equilibria, Materials Extraction & Synthesis, Solid State Sensors and Fuel Cells
Jayakrishnan, A	Polymer Chemistry, Biomaterials and Controlled Drug Delivery
Jayaram, Vikram	Ceramics, Thin Films, Electron Microscopy and Mechanical Properties
Jena, P K	Extractive Metallurgy, Mineral Processing, Environmental Engineering and Materials Processing
Jhunjhunwala, Ashok	Telecommunications, Computer Networks, Fibre Optics, Solar PV & DC Systems, Electric Vehicles
Joseph, George	Electro-optics, Space Instrumentation and Remote Sensing
Joshi, J B	Atomic & Bioenergy, Fluid Mechanics, Reactor Design Absorption of NO _x Gases and Solar Energy
Kakodkar, Anil	Structural Mechanics and Nuclear Engineering
Kamal, A K	Air Traffic Control, Surveillance, Automation, UAV, GPS, Cyber Security
Kant, Tarun	Solid & Structural Mechanics, Finite Element Methods and Mechanics of Composite Materials & Structures
Kapur, P C	Mineral Processing, Particulate Science & Technology, Mathematical Modelling and Waste Management
Kapuria, Santosh	Structural Mechanics, Multi-Functional Structures, Structural Health Monitoring
Kasturirangan, K	High Energy Astronomy, Space Systems & Technology
Khakhar, D V	Granular Flow & Mixing, Polymer Processing
Krishna, R	Separations using Nanoporous Materials
Krishna Murty, A V	Aerospace Engineering, Structural Mechanics, Composites and Smart Structures
Krishnan, R	Physical Metallurgy and Materials Science
Krishnan, S	Electronics and Digital Systems
Krupanidhi, S B	Hybrid Heterostructures, Ferroelectrics, III-V & III-Nitride Semiconductors, Thin Films, Epitaxy, Solid State Devices and MEMS
Kulkarni, M G	Polymer Science & Engineering, Intellectual Property
Kumar, Anurag	Wireless Networks, Communication Networks, Stochastic Modelling, Analysis & Optimisation of Distributed Systems
Kumar, R	Multiphase Phenomena
Kumaran, V	Hydrodynamic Stability, Dynamics of Complex Fluids and Granular Flows
Lele, Ashish K	PEM Fuel Cells, Polymer Dynamics, Rheology & Processing, Rheology of Complex Fluids, Hydrogels and Gelation Processes
Lele, S	Physical Metallurgy and Materials Science
Madras, Giridhar	Catalysis, Polymers, Supercritical Fluids
Mahapatra, Souvik	Microelectronics & VLSI, Semiconductor Devices, Device Circuit Reliability
Mallik, A K	Vibration Engineering, Kinematics and Dynamics of Machines

Mallik, R K	Wireless Communications, MIMO & Space-Time Systems, Co-operative Communications
Manna, Indranil	Structure Property & Correlation of Engineering Solids, Nanostructured Materials, Steel Surface Engineering, Laser Additive Manufacturing, Nanofluids
Mashelkar, R A	Polymer Science & Engineering, Molecular & Convective Diffusion, Non-Newtonian Fluid Mechanics and Rheology
Misra, K B	Reliability, Maintainability, Risk & Safety, Performability Engineering
Mittal, Sanjay	Unsteady Aerodynamics, Finite Element Analysis, High Performance Computing and Bluff-body Flows, Aerodynamic Shape Optimization
Mukunda, H S	Fire Safety Science, Combustion Aerodynamics, Fluid Mechanics, Rocket Propulsion and Energy from Bioresidues
Munjal, M L	Technical Acoustics, Noise & Vibration Control and Mufflers & Silencers
Murty, B S	Atom Probe Tomography, High Entropy Alloys, Nanocrystalline Materials, Bulk Metallic Gases, In-situ Composites, Nonequilibrium Processing
Murty, T G K	Optical Engineering, Thin Film Technology, Electro-Optical Instrumentation and Atmospheric Science Technologies
Nadkarni, V M	Polymer Science & Engineering, Materials Science and Chemical Engineering
Narahari, Y	Game Theory & Mechanism, Design Machine Learning, Design of Auctions & Markets
Narasimha, R	Aerospace Engineering, Fluid Mechanics and Atmospheric Science & Technology Policy
Narasimhan, R	Fracture Mechanics and Computational Solid Mechanics
Natarajan, K A	Mineral Processing, Hydrometallurgy, Biomineral Technology and Corrosion Engineering
Padmanabhan, K A	Nanostructured Materials, Mechanical Metallurgy, Metal Forming, Plasticity & Superplasticity and Nanotechnology
Pai, M A	Smart Grid, Power Systems, Stability, Control and Computation
Pal, S K	Pattern Recognition, Machine Learning, Image Processing, Data Mining, Soft Computing, Granular Mining Web Intelligence, Social Network Analysis, Bioinformatics
Pandit, A B	Design of Multiphase Reactors, Cavitation Phenomena and Environmental & Energy Engineering
Paranjpe, P A	Turbomachinery and Jet Propulsion Technology
Patnaik, L M	Computer Science & Engineering, Information Technology and Electronics
Patwardhan, V S	Optimisation, Computer Simulation, Mathematical Modelling, Multiphase Reactions and Software Development and Spreadsheet Programming
Paul, Alope	Diffusion in Solids, Phase Transformation, Microstructure
Pitke, M V	Electronics, Telecommunication & Information Technology, Technology Transfer and Wireless Communication
Prasad, Surendra	Signal Processing, Communication Theory and Systems
Prasad, Y V R K	Deformation Processing, Process Modelling, Deterministic Chaos and Microstructural Control
Prasada Rao, T S R	Petroleum Refining and Heterogeneous Catalysis
Prathap, G	Structural Mechanics, Finite Element Method, Information Science and Composite Materials

Raghavarao, K S M S	Food Engineering, Biotechnology
Rajaraman, V	Computer Science and Information Systems Design
Ramachandran, S	Alloy & Stainless Steel Making and Process Metallurgical Design & Development
Ramamritham, K	Databases, Real-Time Systems, Use of Information & Communication Technology for Socioeconomic Development
Ramamurty, U	Mechanical Behaviour of Materials, Advanced Materials & Manufacturing
Ranade, V V	Multiphase Flows & Reactors, Computational Flow Modelling, Process Intensification
Ranganathan, Srinivasa	Physical Metallurgy, Materials Science, Cultural Heritage Science, Art & Technology Interactions
Rao, K K	Flow of Granular Materials and Defluoridation of Drinking Water
Rao, P Rama	Deformation, Fracture and Materials Development
Rao, P V S	Artificial Intelligence, Computer Science & Speech Research, Natural Language Processing and Cursive Script Recognition
Rao, V Ramagopal	Nanoelectronics and Nanotechnology
Ratnasamy, P	Catalysis, Zeolites and Solid State Chemistry
Ravishankar, N	Nanomaterials, Electron Microscopy, Energy Applications
Reddy, V U	Signal Processing and Communications
Sen, Sandeep	Algorithms (Sequential & Parallel), Probabilistic Analysis & Randomization and Computational Geometry
Sharma, Anurag	Fibre & Integrated Optics, Gradient-Index Optics and Applied Optics
Sharma, Ashutosh	Composites, Soft Nanotechnology & Micro/Nano-fabrication, Nanomechanics, Thin Films & Self-Organization, Colloid & Interface Science and MEMS/NEMS, Carbon Nanomaterials
Sharma, M M	Multiphase Reactions/Reactors, Separations
Shyamasundar, R K	Specification & Verification, Real-Time Programs, Logic Programs, Mobile Computing and Computer & Information Security
Singh, Bhim	Power Electronics, Renewable Energy Generation
Sivaram, S	Polymers for Energy Applications, Polymer Chemistry and Technology, Polymer Surfaces & Interfaces, Structured Polymers
Sivasanker, S	Industrial Catalysis, Petroleum Refining and Petrochemical Production and Green Chemistry
Sridharan, A	Engineering Properties of Clays, Clay Mineralogy and Foundation Engineering
Srinivasan, J	Climate Science and Solar Energy
Subbarao, E C	Materials Science, Renewable Energy, and R&D Management
Sujith, R I	Thermoacoustic Instability, Complex Systems Theory
Sukhatme, S P	Heat Transfer and Solar Energy
Sundar Rajan, B	Wireless Communication, Information & Coding Theory, Network Coding, Signal Processing, Algorithms for Communications
Sundararajan, G	Surface Engineering, Development of Normal Coating Technologies, High Temperature Deformation & Fracture and High Strain Rate Deformation & Ballistic Penetration
Sunder, R	Materials & Structural Test Technology, Fatigue & Fracture Testing for Strength & Endurance, and Field Data Acquisition

Venkatesh, K V	Biosystems Engineering, Synthetic Biology, Metabolic Engineering
Venkatesh, Y V	Machine & Computer Vision, Neural Networks for Pattern Recognition, Signal Processing and Compressive Sampling, Multi- & Hyper-Spectral Data Analysis System Theory
Venkateswara Rao, G	Finite Element Methods, Structural Analysis (Linear & Nonlinear) and Smart Structures
Vidyasagar, M	Compressed Sensing, Control & System Theory, Machine Learning, Computational Cancer Biology
Vijay Kumar, P	Codes for Distributed Storage, Error Correcting Codes, Wireless Communication
Viswanadham, N	Business Models, Blockchain & Supply Chain Networks
Yadav, G D	Green Chemistry & Engineering, Catalysis Science & Engineering, Biotechnology, Energy Engineering
Yajnik, K S	Modelling of Large Mechanical Systems, Fluid Mechanics and Biogeochemical Ocean Modelling & Simulation, Modelling, Marine Biogeochemical Processes, Climate Change
Yegnanarayana, B	Signal Processing, Speech & Vision and Artificial Neural Networks

GENERAL BIOLOGY

Total Fellows: 147

Name	Specialisation
Adhya, Samit	Mitochondrial Biology, Molecular Genetics of Parasites, Intracellular RNA Trafficking and DNA Diagnostics
Appaji Rao, N	Enzyme Regulation and Inborn Errors of Metabolism
Apte, S K	Molecular Biology & Biotechnology, Physiology and Stress Biology of Bacteria & Plants
Ashraf, Mohammad Z	High Altitude Medicine, Translational Biology, Cardiovascular Biology
Babu, P	Genetics and Biotechnology
Bachhawat, Anand K	Microbial Genetics, Molecular Genetics and Microbial Biochemistry
Balaji, K N	Immunology, Infectious Diseases
Balaram, Hemalatha	Molecular Enzymology, Molecular Parasitology and Protein Engineering
Balaram, P	Bio-organic Chemistry and Molecular Biophysics
Balasubramanian, D	Biophysical Chemistry & Biochemistry of Eye Diseases and Public Understanding of Science
Bandyopadhyay, Uday	Gastric Pathophysiology, Malaria & Anti-Malarials, Free Radical Biology & Apoptosis
Banerjee, R K	Molecular Enzymology, Membrane Biochemistry and Cell Biology
Bansal, Manju	Computational Structural Biology, Computational Genome Analysis and Biomolecular Modelling
Basu, Joyoti	Molecular Microbiology, Mycobacteria, Host-Pathogen Interactions
Basu, M K	Structure Functions of Bio-membranes; Design & Testing of Targeted Delivery Systems and Host-Parasite Interactions

Basu, S K	Cell Biology, Molecular Biology and Microbial Genetics
Batra, J K	Molecular Biology, and Protein Chemistry
Bhalla, Upinder S	Systems Biology, Computational Neuroscience and Systems Neurobiology
Bhargava, Purnima	Molecular Biology, Eukaryotic Transcription, Epigenetics & Chromatin
Bhattacharya, Alok	Molecular Parasitology, Computational Genomics, Rare Genetic Disorders
Bhattacharya, Sudha Bhattacharyya, B	Molecular Biology, Molecular Parasitology and Genomics Biophysical Chemistry, Biochemistry and Molecular Spectroscopy
Bhattacharyya, Suvendra N	Molecular Biology, Cell Biology, RNA Biology
Brahmachari, S K	Functional Genetics and Genome Informatics
Chakrabarti, Pinakpani	X-ray Crystallography, Structural Biochemistry and Bioinformatics
Chakraborti, Pradip K	Biochemistry and Molecular Microbiology, Prokaryotic Signal Transduction.
Chandra, H Sharat	Genetics and Evolution
Chandra, Nagasuma	Systems Biology, Bioinformatics, Protein Structure Analysis, Genomic Medicine
Chatterji, Sumantra	Neurobiology, Biophysics, Physiology
Chatterji, D	Molecular Biology, Biophysical Chemistry and Biomolecular Spectroscopy
Chattopadhyay, Amitabha	Receptor Biology, Membrane Biology, Molecular & Cellular Neurobiology and Fluorescence Spectroscopy & Microscopy
Chattopadhyay, Dhrubajyoti	Enzyme Biotechnology, Transcription, Molecular Virology and Oxidative Stress Response
Chattopadhyay, Samit	Epigenetics, Chromatin Remodelling & Transcription Regulation, Cancer Biology, Immunomolecular Biology
Chauhan, V S	Peptide Synthesis & Structure, Malaria Immunology and Malaria Drug Development, Biomarker Discovery
Chowdhury, Shantanu	Structural & Molecular Biology, Genomics
Das, Gobardhan	Immunology, Infectious Diseases, Cell Biology
Das, Pijush K	Cell Biology, Molecular Parasitology
Das, Saumitra	Molecular Virology, Molecular Biology and Cell Biology
Das Gupta, C K	Genetic Recombination and Protein Folding
Datta, A K	Nucleic Acid Enzymology, Protein Chemistry, Parasitology and Recombinant DNA Technology
Datta, Asis	Biochemistry, Molecular Biology and Genetic Engineering
Datta, Kasturi	Biochemistry, Molecular & Cell Biology, Human Genome Function and rDNA Technology
Dhar, S K	DNA Replication, Cell Cycle Control, Molecular Parasitology, Bacteriology
Dharmalingam, K	Proteomics of Eye Diseases, Molecular Genetics, Genetic Engineering and Biotechnology
Easwaran, K R K	Structural Biology, Membrane Biophysics and Molecular Biophysics
Galande, Sanjeev	Epigenetics, Chromatin Biology, Gene Regulation, Genomics and Proteomics
Ganesh, K N	Bio-organic Chemistry, Bio-Molecular Spectroscopy, Chemistry & Biology of Nucleic Acids and Peptides & Lipids

Ghosh, Balaram	Immunology, Genomics, Gene Regulation
Gokhale, Rajesh S	Chemical Biology, Mycobacterium Tuberculosis, Immunometabolism, Skin Biology, Vitiligo
Gopal, B	Structural Biology, Molecular Microbiology, Molecular Biophysics
Gopinathan, K P	Molecular Biology, Recombinant DNA & Genetic Engineering, Molecular Virology, Biotechnology and Developmental Biology
Gowrishankar, J	Microbial & Molecular Genetics
Gupta, C M	Membrane Biology, Bio-organic Chemistry and Molecular Biophysics
Habib, Saman	Parasitology, Molecular & Cell Biology
Hasnain, S E	Drug Repurposing, Infection Biology, Molecular Pathogenesis and Dissemination Dynamics of Human Pathogens particularly M.Tuberculosis
Johri, M M	Plant Biochemistry, Molecular Biology of Plants and Genetic Engineering
Kannan, K K	X-ray & Macromolecular Crystallography and Macromolecular Computer Graphics
Kasbekar, D P	Neurospora Genetics, Dictyostelium & Plant Antimicrobials and Sterol Reductases
Kaur, Rupinder	Yeast Molecular Biology, Genetics, Candida Pathogenesis, Host-Pathogen Interaction
Kenkare, U W	Biochemistry, Molecular Biology and Neurochemistry
Khosla, Sanjeev	Epigenetics, Developmental Biology
Krishnamoorthy, G	Biophysical Chemistry, Laser Spectroscopy and Macromolecular Dynamics
Kundu, G C	Tumour Biology, Regulation of Gene Expression, Angiogenesis and Nanomedicine
Kundu, Manikuntala	Stress Response in Mycobacterium Tuberculosis, Immunology of Host Cell Response to Helicobacter Pylori
Kundu, Tapas K	Regulation of Gene Expression, Chemical Biology
Lohia, Anuradha	Cell Cycle of Protozoan Parasite, Molecular Genetics & Genomics and Regulation of Gene Expression
Mahadevan, S	Regulation of Gene Expression in Bacteria, Microbial Physiology and Microbial Evolution
Maiti, Souvik	Biophysical Chemistry, Chemical Biology
Mallik, Roop	Molecular Motors, Phagosome Dynamics, Lipid Droplets, Triglyceride Secretion from Liver
Mandal, N C	Molecular Genetics and Molecular Biology of Prokaryotes
Mande, Shekhar C	Macromolecular Crystallography and Protein Structure & Function
Mayor, Satyajit	Cell Biology, Biophysics and Biochemistry
Mishra, G C	Immunology and Cell Biology
Mistry, K B	Soil Science, Fertilizers and Agrochemicals
Mitra, Debashis	Molecular Virology, Molecular Immunology, HIV/AIDS & Anti-Viral Drug Discovery
Mohan Rao, Ch.	Molecular Biology, Protein Folding & Chaperones, Gene Expression, Cell Cycle, Differentiation & Apoptosis, Nanobiology
Mohanty, Debasisa	Bioinformatics, Computational & Structural Biology, Biophysics

Mukhopadhyay, Amitabha	Cell Biology, Host-Pathogen Interactions, Drug Delivery
Muniyappa, K	Molecular Genetics, Genetic Recombination and Telomere Biology
Murthy, M R N	Macromolecular Crystallography, Virus Structure & Assembly, Protein Structure & Function and X-ray Diffraction
Nagaraj, R	Peptide Conformation; Membrane Biochemistry, Host-Defence Peptides, Protein Nanostructures
Nagaraja, V	Protein-Nucleic Acid Interactions, Restriction-Modification Systems, Molecular Biology of Mycobacteria and Regulation of Gene Expression
Nandicoori, V K	Molecular & Cellular Biology, Cell Signalling, Cell Biology
Narayanan, Rishikesh	Cellular Neurophysiology, Computational Neuroscience, Neural Coding & Plasticity
Padmanaban, G	Molecular Biology, Recombinant DNA and Malarial Parasite
Panda, Dulal	Biochemistry, Cell Biology, and Biophysics
Prakash, V	S&T Policy, Physical Biochemistry, Chemistry of Macromolecules, Biophysics of Proteins, Enzymes & Thermodynamics, Food Chemistry, Nutrition, Food Biotechnology and Food Science
Prasad, Rajendra	Membrane Biology, Yeast Genetics & Molecular Biology and Medical Mycology
Raghava, G P S	Bioinformatics, Cancer Genomics, Immunoinformatics, Drug Design, Subunit Vaccine Design
Raghavan, S C	DNA Double-Strand Break Repair, Genomic Instability, Cancer Therapeutics, Cancer Genetics
Rajasekharan, Ram	Fats & Oils Metabolism and Plant Biotechnology
Ramachandran, J	Molecular Biology
Rao, A J	Regulation of Placental Function, Cellular Differentiation, Primate Biology, Oocyte Maturation
Rao, B Jagadeeshwar	Genome Dynamics, Biology of Cellular Adaptations, Computational Biology
Rao, D Narasimha	Protein-DNA Interactions using Restriction-Modification Enzymes and DNA Mismatch Repair Proteins as Model Systems
Rao, K V S	
Rao, M R S	RNA Biology, Molecular Biology, Cell Biology, Neurooncology
Reddy, Manjula	Bacterial Physiology, Genetics
Roy, Rajendra P	Protein Chemistry and Chemical Biology
Roy, Siddhartha	Chemical Biology, Protein-Nucleic Acid Interaction, Peptide Therapeutics
Roy, Syamal	Immunology, Parasitology, Vaccine Research
Saha, Bhaskar	Immunology, Signal Transduction, Infectious Disease Biology
Sahni, Girish	Protein Engineering, Molecular Biology, Biotechnology and Enzymology
Sahu, Arvind K	Complement Biology, Molecular Virology, Protein Chemistry
Salunke, D M	Structural Biology, Macromolecular Crystallography and Immunology
Sankaranarayanan, R	Proof Reading, Structural Biology, Translation of Genetic Code, Enzyme Mechanisms
Sanyal, Kaustuv	Eukaryotic Chromosome Segregation, Epigenetic Regulation, Genetics & Genomics of Fungal Pathogens

Sarin, Apurva	Immunology, Cell Biology, Apoptosis
Sarkar, Debi Prasad	Membrane Biology, Biochemistry, Molecular Virology, Cell Biology and Biotechnology
Sarkar, P K	Thyroid Hormones & Brain Development, Molecular Biology and Endocrinology, and Neurodegenerative Diseases
Sasisekharan, V	Molecular Biophysics
Savithri, H S	Plant Molecular Virology, Protein Chemistry, and Enzymology
Sen, Ranjan	Microbiology
Sengupta, Sagar	Cancer Biology, Cell Signalling, Mitochondrial Biology
Shaha, Chandrima	Cell Biology and Biochemistry
Shaila, M S	Molecular Virology and Viral Immunology
Sharma, Amit P	Structural Biology, Malaria, Protein Translation
Sharma, Rameshwar P	Developmental Genetics, Mutagenesis, Molecular Biology and Biotechnology
Sharma, Shobhona	Molecular Parasitology, Parasite Immunology and Parasite Metabolism
Sharma, Yogendra	Calcium-binding Proteins, Biophysics, Biochemistry and Protein Structure & Function
Shivashankar, G V	Biophysics, Cell Biology, Gene Expression
Siddavattam, D	Environmental Microbiology, Biodegradation, Bioremediation
Sikdar, S K	Cellular Neurophysiology, Ion Channels Physiology, Pharmacology, Biophysics, Calcium Dynamics, In vitro Neuronal Networks
Singh, B B	Radiation Biology, Biophysics, Intellectual Property Rights, Nuclear & Constitutional Law
Singh, T P	X-ray Crystallography, Structural Biology, Protein Structures, Peptide Design and Drug Discovery
Singh, Yogendra	Bacterial Pathogenesis, Cell Biology
Sinha, Pratima	Molecular Genetics of Yeast and Molecular Biology
Sitaramam, V	Bioenergetics, Biomembranes and Biochemistry
Sowdhamini, R	Structural Bioinformatics, Protein Domain Superfamilies, Computational Genomics
Srinivasan, N	Protein Functions, Structures & Evolution, Bioinformatics in Genomics and Metabolism & Signal Transduction
Surolia, A	Protein Chemistry, Protein Folding, Function & Design for Therapeutics, Immunity & Neurosciences
Sushil Kumar,	Plant-Microbe Interactions, Genetics, Food Crops and Medicinal & Aromatic Plants
Swamy, M J	Biophysical Chemistry, Chemical Biology
Swarup, Ghanshyam	Autophagy, Molecular & Cell Biology, Molecular Basis of Diseases, Cell Signalling, Membrane Vesicle Trafficking,
Talwar, G P	Endocrinology, Reproductive Health and Immunology
Tatu, Utpal S	Molecular Chaperones, Infectious Diseases
Thangaraj, K	Population & Medical Genomics, Ancient DNA & Forensic Genetics
Tole, Shubha	Neuroscience, Developmental Biology
Tyagi, Anil K	Molecular Biology, Biochemistry and Microbiology
Udgaonkar, Jayant B	Physical Biochemistry and Protein Folding
Varadarajan, R	Protein Structure & Folding
Varshney, Umesh	Molecular Biology, Protein Biosynthesis and DNA Repair

Vijayan, M	X-ray Crystal Structure Analysis, Protein & Crystallography and Molecular Biophysics
VijayRaghavan, K	Developmental Biology, Genetics and Neurogenetics
Vishveshwara, Saraswathi	Computational Biology, Biomolecular Structures, Function Biological Networks
Visweswariah, Sandhya S	Biochemistry, Protein Structure & Function and Signal Transduction
Yathindra, N	Computational Structural Biology

MATHEMATICAL SCIENCES

Total Fellows: 100

Name	Specialisation
Adimurthi, Adi	Nonlinear Differential Equations
Athreya, K B	Probability Theory, Stochastic Processes and Mathematical Statistics
Athreya, Siva R	Probability Theory
Bag, A K	History of Mathematics, Astronomy & Technology in India
Bagchi, Bhaskar	Finite Geometry, Combinatorial Topology and Operator Theory
Balaji, V	Algebraic Geometry, Representation Theory and Topology
Balasubramanian, R	Analytic Number Theory
Bambah, R P	Number Theory and Discrete Geometry
Bapat, R B	Algebraic Graph Theory, Generalised Inverses
Bhat, B V Rajarama	Quantum Probability, Operator Algebras and Operator Theory
Bhatia, R	Analysis of Matrices and Operators in Hilbert Space
Bhatt, Subhash J	Banach & Topological Algebras, Operator Algebras & Applications, Harmonic Analysis
Bhattacharyya, Tirthankar	Functional Analysis, Hilbert Space, Operator Theory, Several Complex Variables
Bhatwadekar, S M	Commutative Algebra and Algebraic Geometry
Bhosle, Ushadevi N	Algebraic Geometry
Biswas, Indranil	Algebraic Geometry, Differential Geometry and Deformation Quantization
Bose, Arup	Probability and Statistics, Economics
Bose, S K	Scientific Computations, Applied Mathematics, Solid Mechanics, Fluid Mechanics and Sediment Transport
Chakraborty, Partha S	Operator Algebras, Noncommutative Geometry, Quantum Groups
Chaudhuri, Probal	Robust & Nonparametric Statistics, Statistical Computing, Statistical Methods in Pattern Recognition and Image Processing, Modelling & Analysis of Genomic Data
Dani, S G	Ergodic Theory, Dynamics, Measures on Lie Groups and History of Mathematics
Datta, Basudeb	Geometric Topology, Algebraic Topology, Combinatorics
Ghate, Eknath	Automorphic Forms, Number Theory, Galois Representations, Arithmetic Geometry
Ghosh, Anish	Ergodic Theory, Lie Groups, Number Theory
Ghosh, Mrinal K	Stochastic Control, Stochastic Differential Games and Stochastic Finance

Goswami, Debashish	Noncommutative Geometry, Quantum Groups, Operator Algebra
Hans-Gill, R J	Number Theory, Discrete Geometry and Geometry of Numbers
Hazra, R S	Probability, Operator Algebra, Statistical Physics
Iyer, Jaya N	Algebraic Geometry
Joseph, K T	Hyperbolic Systems of Conservation Laws, Boundary Layers, Parabolic Partial Differential Equations, Nonconservative Zero Pressure, Gas Dynamics, Systems & Delta Waves
Kannan, V	Analysis and Topology
Karandikar, R L	Psephology, Stochastic Calculus, Stochastic Finance, Stochastic Filtering Theory Monte Carlo Methods and Markov Processes
Kesavan, S	Partial Differential Equations, Homogenization and Isoperimetric Inequalities
Khanduja, Sudesh K	Algebra, Valuation Theory, Algebraic Number Theory
Kodiyalam, Vijay	Operator Algebras, Subfactor Theory, Commutative Algebra
Krishna, Amalendu	Algebraic Cycles, Algebraic K-Theory, Algebraic Geometry
Kumar, Amit	Approximation Algorithms, On-line Algorithms, Combinatorial Optimisation
Kunnath, Sandeep	Partial Differential Equations, Nonlinear Analysis, Variational Methods
Mahan, Mj	Kaehler Groups, Geometric Group Theory, Geometric Topology, Hyperbolic Geometry
Misra, Gadadhar	Operator Theory and Operator Spaces
Mohan Kumar, N	Commutative Algebra and Algebraic Geometry
Mukerjee, Rahul	Design of Experiments, Asymptotic Theory and Survey Sampling
Mukund, Madhavan	Concurrent & Distributed Systems, Distributed Algorithms
Munshi, Ritabrata	Analytic Number Theory, Automorphic Forms, Elliptic Curves
Nadkarni, M G	Ergodic Theory and Commutative Harmonic Analysis
Nagaraj, D S	Algebraic Geometry, Vector Bundles
Narasimhan, M S	Algebraic & Differential Geometry and Analysis
Nath, G	Fluid Mechanics, Magnetohydrodynamics and Turbomachines
Nitsure, Nitin	Algebraic Geometry
Nori, M V	Algebraic Geometry
Pal, Arup K	Operator Algebras, Noncommutative Geometry, Quantum Groups
Pani, A K	Numerical Analysis, Partial Differential Equations, Industrial Mathematics
Parameswaran, A J	Algebraic Geometry, Singularity Theory and Vector Bundles
Paranjape, K H	Algebraic Geometry, Topology and Differential Geometry
Parimala, R	Algebra
Parthasarathy, K R	Probability Theory, Group Representations, Quantum Probability, Computing and Information
Parthasarathy, R	Representations of Semi-Simple Lie Groups, and Topological Dynamical Systems
Parthasarathy, T	Mathematical Theory of Games, Operations Research and Global Univalence
Passi, I B S	Algebra

Prakasa Rao, B L S	Statistics
Prasad, Amritanshu	Representation Theory, Combinatorics, Group Theory
Prasad, Dipendra	Automorphic Forms and Number Theory
Prasad, Gopal	Lie Groups and Algebraic Groups
Prasad, Phoolan	Theory of Wave-Propagation, Partial Differential Equations and Fluid Mechanics
Radhakrishnan, J	Algorithms, Information Theory, Computational Complexity, Combinatorics and Quantum Computing
Raghavan, K N	Representation Theory
Raghunathan, M S	Lie Groups and Algebraic Groups
Raghuram, A	Number Theory, Representation Theory, Automorphic Forms
Rajan, C S	Automorphic Forms, Arithmetic Geometry and Representation Theory
Ramadas, T R	Geometry and Mathematical Physics
Ramanan, S	Algebraic Geometry and Differential Geometry
Ramasubramanian, S	Stochastic Processes, Stochastic Models in Insurance
Ramaswamy, Mythily	Nonlinear Functional Analysis, Partial Differential Equations, and Applications to Control Problems
Ramdorai, Sujatha	Algebra, Quadratic Forms, Number Theory and Iwasawa Theory
Rangarajan, Govindan	Nonlinear Dynamics & Chaos, Time Series Analysis, Mathematical Biology
Rao, C R	Statistics with Applications to Biology, Signal Processing and Pattern Recognition
Rao, Ravi A	Classical Algebraic K-Theory, Commutative Algebra, Linear Algebra
Rao, T S S R K	Functional Analysis, Geometry of Banach Spaces
Roy, Rahul	Probability, Stochastic Processes
Sane, Sharad S	Finite Geometries, Design Theory and Graph Theory
Sankaran, P	Topology and Lie Groups
Saurabh, Saket	Theoretical Computer Science, Graph Algorithms & Graph Theory, Parametrised Complexity
Seshadri, C S	Algebraic Geometry
Shah, Nimish A	Ergodic Theory, Lie Groups, Number Theory
Shorey, T N	Theory of Numbers
Shrikhande, S S	Combinatorial Mathematics and Graph Theory
Singh, Balwant	Algebraic Geometry and Commutative Algebra
Singhi, N K M	Discrete Mathematics, Designs and Finite Geometries
Sinha, K B	Spectral Theory of Operators, Non-Commutative Geometry and Stochastic Processes
Sitaram, A	Harmonic Analysis on Euclidean Spaces and on Lie Groups
Sridharan, Ramaiyengar	Algebra
Srinivas, V	Algebraic Geometry, Algebraic K-Theory and Commutative Algebra
Sunder, V S	Von Neumann Algebras and Subfactors
Suresh, V	Algebra, Quadratic Forms & Division Algebras, and Arithmetic Geometry
Thangavelu, S	Harmonic Analysis on Lie Groups, Classical Analysis and Partial Differential Equations
Thiagarajan, P S	Distributed Probabilistic Systems, Hybrid Systems and Computational Systems Biology

Vanninathan, M	Fluid-Structure Interactions, Partial Differential Equations, Numerical Analysis, Asymptotic Analysis, Homogenization and Control of PDE
Veerappa Gowda, G D	Partial Differential Equations, Numerical Analysis
Venkataramana, T N	Monodromy Groups, Rigidity & Arithmeticity of Lattices, Cohomology of Arithmetic Groups and Shimura Varieties
Verma, Kaushal	Complex Analysis

MEDICINE

Total Fellows: 95

Name	Specialisation
Acharya, S K	Gastroenterology, Hepatology and Liver Diseases
Aggarwal, Amita	Lumps, Clinical Immunology, Rheumatology, Juvenile Arthritis
Aggarwal, Rakesh	Immunisation, Public Health, Gastrointestinal & Liver Diseases, Viral Hepatitis, Epidemiology and Health Economics
Agrawal, Anurag	Pulmonary Disease, Intelligent Systems
Agrewala, J N	Immunology, Vaccine, Drug Discovery, Gut Microbiota
Anand, Anuranjan	Human Genetics & Genomics, Neurogenetics, Developmental Genetics
Arankalle, Vidya A	Virology, Molecular Biology, Vaccine, Hepatitis Viruses, Emerging-Reemerging Viruses
Awasthi, Shally	Paediatric Pulmonology, Infectious & Parasitic Diseases, Clinical Trials
Bal, Chandrasekhar	Therapeutic Nuclear Medicine, Nuclear Neurology, Positron Emission Tomography on Oncology
Balasubramanian, A S	Neurochemistry and Enzymology
Balasubramanian, K A	Oxidative Stress, Gastrointestinal Mucosa and Pathophysiology
Banerjee, K	Virology, Epidemiology and Immunology of Virus Diseases
Banerjee, Rinti	Drug Delivery, Nanomedicine, Biomaterials
Bapat, Sharmila A	Cancer Biology
Basu, Anirban	Neurovirology, Neurobiology, Molecular Medicine, Drug Repurposing
Bhandari, Nita	Nutrition, Nutrition-Infection Interaction, Maternal & Child Health Clinical Evaluation of Vaccine
Bhargava, Balram	Cardiology, Medtech Innovation, Public Health
Bhisey, Rajani A	Environmental Carcinogenesis and Molecular Epidemiology of Cancer, Occupational Hazards
Chandak, G R	Genomics & Epigenomics of Complex Diseases, Developmental Programming of Metabolic Syndrome, Molecular Diagnostics of Monogenic Disorders
Chandy, Mammen	Hematology, Bone Marrow Transplantation and Molecular Genetics of Blood Diseases
Chatterjee, Mitali	Pharmacology, Immunology, Parasitology
Chaturvedi, U C	Medical Microbiology, Virology and Immunology
Chitnis, Chetan E	Molecular Parasitology, Vaccine Development for Malaria and Molecular & Cell Biology
Das, B C	Molecular Virology, Human Genetics and Stem Cell Biology, Molecular Oncology

Dash, Debabrata	Cell Biology, Signal Transduction, Nanobiotechnology
Deo, M G	Pathology, Oncology and Medical Education
Dikshit, Madhu	Redox Biology, Cardiovascular Pharmacology, Molecular Pharmacology, Neutrophils and Nitric Oxide Synthase
Dua-Sharma, Sushil	Neurophysiology, Reproductive Biology and Nutrition
Gaitonde, B B	Communicable Diseases, Clinical Pharmacology and Indigenous Drugs
Ganesh, S	Human Molecular Genetics, Neurobiology of Disease, Stress Biology
Gangadhar, B N	Psychiatry, Schizophrenia, Yoga Therapy, Electroconvulsive Therapy
Gangal, S V	Allergy, Immunology and Biochemistry
Gangal, Sudha G	Cancer & Basic Immunology, Cell Biology and Genetic Diseases
Ganguly, N K	Microbiology, Immunology, Biotechnology and Public Health
Ghosh, Amit	Molecular Biology of V.cholerae and Recombinant DNA Technology
Gopinath, Gomathy	Developmental Neurobiology, Environment & Neural Plasticity and Neural Transplantation
Goswami, Ravinder	Autoimmune Endocrine Disorders, Sporadic Idiopathic Hypoparathyroidism and Metabolic Bone Disorders including Vitamin D Deficiency
Gupta, Satish K	Immunology, Reproductive Immunology and Reproductive Biology, Vaccines, Anti-Body Engineering
Indira Nath,	Immunology, Leprosy and Pathology
Indrayan, Abhaya	Medical Biostatistics, Medical Research Methodology, Medical Informatics
Jacob John, T	Infectious Diseases and Virology
Jagannathan, N R	Biophysics, Magnetic Resonance Imaging (MRI), In-vivo MR Spectroscopy, Biomolecules, Cancer Research, Functional MR Studies, Metabolomics
Jameel, S	Molecular Biology and Molecular Virology
Kalyanaraman, S	Neurosurgery
Kang, Gagandeep	Nutrition, Public Health, Enteric Virology, Vaccines
Kartha, C C	Human Pathology, Mechanisms of Diseases & Drug Targets
Katoch, V M	Molecular Biology and Functional Genomics of Mycobacteria, Taxonomy, Epidemiology of Mycobacterial Diseases
Khanna, Navin C	Dengue Subunit Vaccine, Dengue Botanical Drug, Recombinant Proteins of Medical Use
Kochupillai, N	Internal Medicine, Clinical Endocrinology Metabolism, Diabetes and Biotechnology
Krishnaswamy, Kamala	Internal Medicine, Nutritional Sciences and Clinical Pharmacokinetics
Kumar, Arun	Human Molecular Genetics, Cancer Biology, Molecular Biology
Kumar, Lalit	Stem Cell Transplantation, Multiple Myeloma, Haemato-Oncology, Gynaecologic Oncology
Malhotra, Pawan	Malaria Parasite Biology, Molecular Biology, Drug & Vaccine Development
Mandal, Chitra	Glycobiology, Immunobiology and Glycoimmunology

Mathews, Vikram	Haematology, Acute Leukaemia, Allogeneic Stem Cell Transplantation
Mathur, Asha	Virology, Immunology and Medical Microbiology
Mishra, A C	Human Viral Infection & Zoonotic Diseases, Public Health
Misra, U K	Clinical Neurology, Neurophysiology and Tropical Neurology
Mitra, Indraneel	Cancer Surgery, Cancer Biology and Cancer Prevention
Mohan, V	Diabetes, Epidemiology, Genomics, Precision Diabetes
Mukerji, Mitali	Functional Genomics, Population Genomics, Ayurgenomics
Mukhopadhyay, Sangita	Immunology, Cell Signalling, Communicable Diseases
Nageswara Rao, G	Cornea, Community Eye Health and Eye Care Policy & Planning
Nair, G Balakrish	Clinical Microbiology, Molecular Epidemiology, Diarrhoeal Diseases
Nayak, N C	Pathology, Oncology and Liver Diseases
Nityanand, Soniya	Immunology and Haematology
Pal, G P	Human Anatomy, Clinical Anatomy and Biomechanics of Spine
Panda, S K	Liver Pathology, Viral Hepatitis and Molecular Biology/Virology
Parulkar, G B	Open Heart Surgery, Extracorporeal Circulation, Coronary Bypass Surgery and Vascular Surgery
Paul, V K	Paediatrics, Newborn Health
Pillai, M Radhakrishna	Tumour Biology, Tumour Virology
Pitchappan, R M	Human Immunogenetics, Immunology of Infectious Diseases and Human Genomics
Rajshekhara, V	Neurosurgery, Cysticercosis, Cervical Spine Surgery
Raju, T R	Developmental Neuroscience, Neurodegeneration and Neuronal Plasticity
Ramakrishna, B S	Gastroenterology, Nutrition, Inflammatory Bowel Disease, Gastrointestinal Microbiome Stem Cells
Rangarajan, P N	Eukaryotic Gene Expression and Infectious Diseases
Ravi, V	Neurovirology, Viral Diagnostics, Molecular Epidemiology of Viral Infections
Ravindranath, Vijayalakshmi	Neuroscience, Toxicology and Pharmacology
Sarin, S K	Hepatology
Sarkar, Chitra	Neuropathology
Saxena, R K	Hematopoiesis, Immunology, Toxicology, Nanoparticles
Sharma, Surendra K	Environmental Medicine, Infectious Diseases, Internal Medicine, Pulmonary & Critical Care and Sleep Medicine
Sharma, Y D	Molecular Biology, Molecular Malariology and Protein Chemistry
Sinha, Subrata	Molecular Oncology and Immunology, Neurobiology of Dyslexia
Somasundaram, K	Cancer Biology, Genetics and Virology
Sundar, Shyam	Medicine, Infectious Diseases and Visceral Leishmaniasis
Surolia, Namita	Molecular Parasitology, Biochemistry and Molecular Biology
Swaminathan, Soumya	Paediatrics, Tuberculosis, HIV Co-infection, TB Pathogenesis

Tandon, Nikhil	Endocrinology, Chronic Disease Epidemiology
Tandon, P N	Neurosciences and Neurosurgery
Tyagi, Jaya S	Molecular Biology, Mycobacteriology and Gene Regulation
Valiathan, M S	Cardiac Surgery, Cardiovascular Materials and Ayurveda
Vrati, Sudhanshu	Molecular Virology, Vaccinology and Biotechnology
Wadhwa, Shashi	Human Anatomy, Neuroanatomy and Developmental Neurobiology

PHYSICS

Total Fellows: 211

Name	Specialisation
Agarwal, G S	Nano & Biophotonics, Quantum Optics, Plasmonics, Stochastic Processes
Agrawal, P C	X-ray Astronomy and Experimental High Energy Astrophysics
Amritkar, R E	Nonlinear Phenomena, Chaos and Statistical Physics
Ananthkrishna, G	Theoretical Materials Science, Condensed Matter and Dynamical Systems & Chaos
Ananthkrishnan, S	Radio Sciences, Extragalactic Radio Astronomy, Sun & Solar Wind, Antennas, Interferometry Techniques and Analog RF Electronics
Antia, H M	Solar Physics, Helioseismology and Numerical Techniques
Anupama, G C	Time Domain Astronomy, Cataclysmic Variables, Supernovae, Gamma-Ray Burst Sources, Active Galactic Nuclei
Balakrishnan, V	Statistical Physics, Stochastic Processes, Classical & Quantum Dynamics
Banerjee, Dipankar	Astrophysics, Solar Physics, Plasma Physics
Banerjee, Sunanda	Experimental High Energy Physics
Barma, M	Statistical Physics
Barman, Anjan	Experimental Condensed Matter Physics, Magnetism & Spintronics, Ultrafast & High Frequency Spectroscopy & Dynamics
Barua, A K	Solid State Materials, Thin Film Technology and Thin Film Solar Cells
Baskaran, G	Theoretical Physics, Strongly Correlated Electronic Systems and Quantum Processes in Biology
Bhat, S V	Experimental Condensed Matter Physics, Solid State NMR, Electron Paramagnetic Resonance, Magnetism and Physics of Glass Transitions
Bhattacharjee, J K	Critical Phenomena, Turbulence and Nonlinear Dynamics
Bhattacharjee, S M	Biological Physics, Statistical Physics and Condensed Matter Physics
Bhattacharya, Dipankar	High Energy Astrophysics, Neutron Stars and Cosmic Explosions
Bhattacharyya, Gautam	Particle Physics Phenomenology
Bhawalkar, D D	Lasers and laser Instrumentation
Bose, Indrani	Theoretical Condensed Matter Physics, Statistical Physics, Biological Physics and Systems Biology
Budhani, R C	Renewable Energy, Nanoscale Systems, Experimental Condensed Matter Physics, Superconductivity and Magnetism

Chaddah, P	Superconductivity, Low Temperature Physics and Phase Transitions
Chakrabarti, B K	Statistical Physics of Fracture, Quantum Spin Glasses, Quantum annealing Applications to Social Sciences, Econophysics, Sociophysics
Chaturvedi, Subhash	Mathematical Physics, Quantum Optics, Quantum Information and Computation
Chengalur, J N	Radio Astronomy, Galaxies
Chidambaram, R	High Pressure Physics, Neutron Crystallography, Materials Science and Nuclear Technology
Chitre, S M	Solar Physics, Relativistic Astrophysics and Gravitational Lenses
Chopra, K L	Physics & Technology of Thin Films, Nanomaterials, Surface Science and Technology, Photovoltaics, Vacuum Technology
Choudhury, Debajyoti	Cosmology, High Energy Physics
Chowdhury, Debashish	Statistical Physics, Condensed Matter Physics and Biological Physics
Cowsik, R	Astrophysics, Elementary Particles Cosmology, Gravitation
Dabholkar, Atish	Quantum Gravity, Superstring Theory and Black Holes
Damle, K S	Condensed Matter Theory
Das, Amita	Strongly Coupled & Dusty Plasma Systems, Laser Plasma Interactions, Plasma Physics, Turbulence, Electron Magnetohydrodynamics
Das, S R	Statistical Physics, Soft Matter, Nonequilibrium Dynamics
Das, Shankar Prasad	String Theory, Quantum Field Theory, Quantum Aspects of Black Holes & Holography, Nonequilibrium Statistical Mechanics
Dasannacharya, B A	Neutron & X-ray Spectrometry and Condensed Matter Physics
Dasgupta, C	Theoretical Condensed Matter Physics and Statistical Physics
Dattagupta, S	Condensed Matter Physics and Non-Equilibrium Statistical Mechanics
David, Justin R	String Theory, Quantum Field Theory, Holography, ADS/CFT
Deshmukh, M M	2-D Materials, Mesoscopic Electron Transport, Nanomechanics
Dev, B N	Thin films, Surface & Nanoscale Physics, X-ray Physics and Ion-Solid Interactions
Dhar, Abhishek	Nonequilibrium Statistical Physics, Condensed Matter Physics
Dhar, Deepak	Statistical Physics and Stochastic Processes
Dhurandhar, S V	Gravitational Waves, General Relativity and Theoretical Astrophysics
Dighe, Amol	High Energy Physics, Phenomenology, Astroparticle Physics
Ganguli, S N	High Energy Particle Physics
Gavai, Rajiv V	High Energy Physics, Quantum Field Theory, Lattice Field Theories, Quark-Gluon Plasma, and Relativistic Heavy Ion Collisions and Early Universe
Ghosh, Arindam	Experimental Condensed Matter Physics, Semiconductor Physics, Nanodevice Technology

Ghosh, Aswini	Structure Relaxation Dynamics of Charge Carriers, Condensed Matter & Materials Physics, Glasses, Polymers & Nanomaterials, Dielectric Spectroscopy
Ghosh, Swarna Kanti	Infrared Astronomy, Interstellar Medium and Astronomical Instrumentation
Godbole, Rohini M	Elementary Particle Physics, Field Theory and Phenomenology
Godwal, B K	Planetary Sciences, High Pressure Physics, Electron States and Dense Plasma Physics
Gopakumar, R	Theoretical Physics, Quantum Field Theory and String Theory
Gopal Krishna, Goswami, Srubabati	Astronomy, Active Galaxies and Observational Cosmology High Energy Physics, Astroparticle Physics, Neutrino Physics
Grover, Arun K	Magnetism & Superconductivity, Vortex State Studies in Superconductors, Strongly Correlated Systems
Gupta, L C	Superconductivity & Magnetism in Quaternary Borocarbide and other Rare Earth based Materials, Nuclear/Magnetic Quadrupole Resonance Studies, Phenomena of Mixed Valance & Heavy Fermions
Gupta, Pradeep K	Lasers, Biomedical Applications of Lasers, Nonlinear Optics, Laser Materials
Gupta, Sourendu Gupta, Yashwant	Particle Physics, Lattice Field Theory Astronomy & Astrophysics, Radio Astronomy Instrumentation and Signal Processing
Gurtu, Atul Jain, Sanjay	Experimental High Energy Physics Mathematical Modelling of Complex Systems, Structure, Dynamics and Evolution of Biological & Social Networks, Theoretical Systems Biology
Jayannavar, A M	Condensed Matter Physics, Stochastic Processes & their Applications to Physical Problems, Classical & Quantum Transport Problems in Random Media and Physics of Mesoscopic Systems
Jayaraman, Aiyasami Jha, S S	High Pressure Physics Solid State Theory, Quantum Computing and Photonics
Jog, Chanda J	Galactic Dynamics, Interacting & Star Burst Galaxies and Interstellar Molecular Clouds
John, P I	Plasma Physics, Intense Particle Beams and Industrial Applications of Plasma
Joshi, S K Joshiyura, A S Kailas, S	Solid State Physics and Atomic & Molecular Collisions Theoretical High Energy Physics Nuclear Optical Model, Heavy-Ion induced Fission/Fusion and Accelerator-based Multidisciplinary Science
Kanekar, Nissim	Galaxy Formation & Evolution, Fundamental Constant Evolution, Interstellar Medium of Galaxies
Kanhere, D G	Science Education, Condensed Matter Theory, Computational Physics, Strongly Correlated Systems and Density Functional Theory
Kapoor, S S	Nuclear Physics, Nuclear Radiation Detectors, Accelerator-based Research and Development & Applications in Nuclear Energy
Kaul, R K	Particle Physics, Quantum Field Theory and Quantum Gravity

Kaul, S N	Condensed Matter Physics, Phase Transitions & Critical Phenomena, Disordered Systems Percolation and Magnetism & Magnetic Materials, Physics at Nanometer Length Scale
Kembhavi, A K	Deep Learning, Big Data, High Energy Astrophysics, Active Galactic Nuclei, External Galaxies, Virtual Observatory
Khare, A V	Plasma Physics, Statistical Mechanics, Critical Phenomena, Plasma Astrophysics
Khare, Avinash	High Energy & Elementary Particle Physics, Supersymmetric Quantum Mechanics and Nonlinear Dynamics
Krishna, P	Crystallography, Imperfection in Solids, Education and Science & Society
Krishna Swamy, K S	Astrophysics
Krishnakumar, E	Ultra-Cold Collisions, Electron Ionisation, Photoionisation, Atomic Collision Processes, Molecular dynamics and Electron Control Chemistry
Krishnamurthy, H R	Condensed Matter Physics, Statistical Physics and Quantum Many-Body Theory
Krishnamurthy, M	Intense Laser Plasma Physics, Atomic & Molecular Physics, Optical Sciences
Kulkarni, P V	Atmospheric Optics, Aeronomy and Infrared Astronomy
Kulkarni, Sulabha K	Surface Physics, Materials Science and Nanoscience
Kumar, G Ravindra	Interaction of Intense Light Pulses with Matter, High Energy Density Science, Nonlinear Optics
Lakshmanan, M	Nonlinear Dynamics, Theoretical Physics and Mathematical Physics
Madhusudana, N V	Liquid Crystals
Mahadevan, Priya	Electronic Structure of Materials, Magnetism, Nanostructure Materials
Mahajan, K K	Atmospheric & Space Science, Ionosphere, Atmospheres of Earth & Planets
Maharana, J	String Theory, Field Theory and Quantum Gravity
Maiti, Kalobaran	Topologically Ordered Systems, Correlated Electron Systems, Magnetism & Superconductivity, Electron Spectroscopy
Maiti, Prabal K	Molecular Simulation, Soft Matter, DNA Nanotechnology
Majumder, Gobinda	Calorimeter, B-Physics & CP-violation, Electroweak Physics at Collider
Malik, S K	Rare Earth Magnetism, Superconductivity and Strongly Correlated Electron Systems
Mandal, Gautam	Quantum Field Theory, Gravity, String Theory
Mandal, Prabhat	Topological Insulator and Dirac/Weyl Semimetals, Strongly Correlated & Superconductivity, Multifunctional Oxides
Mande, C	X-ray Spectroscopy and Solid State Physics
Mani, H S	Elementary Particle Physics
Mantravadi, M V	Optics and Optical Engineering
Mathews, P M	Geoastronomy & Geodynamics, Quantum Theory of Particles & Fields, Statistical Mechanics and Mathematical Methods
Mathur, D	Atomic, Molecular & Optical Physics, Intense & Ultrafast Lasers, Molecular Dynamics and Biological Physics

Mehta, C L	Quantum & Statistical Optics and Mathematical Physics
Menon, T K	Astrophysics
Minwalla, Shiraz	String Theory, Gravity, Quantum Field Theory
Mitra, A N	Theoretical, Nuclear & Quark Physics
Mohanty, Bedangadas	Dark Matter, Experimental High Energy Physics, Phase Diagram of Quantum Chromodynamics
Mondal, N K	Experimental Particle Physics, Accelerator-based Particle Physics and Neutrino Physics
Mukhi, Sunil	String Theory, Quantum Gravity, Supersymmetry
Mukhopadhyaya, Biswarup	Theoretical High Energy Physics
Mukunda, N	Theoretical Particle Physics, Mathematical Physics, Mechanics and Theoretical Optics
Murthy, M V N	Particle Physics, Phenomenology, Quantum Statistics and Semiclassical Methods
Nagarajan, R	Superconductivity, Magnetism, Mossbauer Spectroscopy, Instrumentation, Cryogenics and Heavy Fermion Behaviour
Narasimham, V S	Cosmic Ray Physics and Particle Physics
Narayan, K S	Organic/Polymer Electronics, Device Physics, Bioelectronics, Photovoltaics
Narayana, C	Nanobiotechnology, Condensed Matter Physics, Light Scattering in Materials, High Pressure Research
Narayanamurti, V	Solid State, Nanoscience, Electronic Materials, Science Policy
Narlikar, A V	Superconductivity, Low Temperature Physics and STM & Related Techniques
Narlikar, J V	Cosmology, General Relativity and Gravitation
Nayak, T K	Nuclear & High Energy Physics Experiment, QCD Phase Transition & Quark, Gluon Plasma, Phases of Nuclear Matter
Nityananda, R	Optics, Statistical Physics, Astronomy, Physics Education
Ogale, S B	Clean Energy, Harvesting & Storage, Nanoscience & Nanotechnology, Metal Oxide Thin films, Spintronics
Ojha, D K	Star Formation & Interstellar Medium, Infrared Astronomy, Astronomical Instrumentation
Padmanabhan, T	Gravitation, Quantum Theory, Cosmology and Structure Formation
Pal, Amlan J	Organic Electronics, Scanning Tunnelling Spectroscopy, Photovoltaic Device Physics, Organic Spintronics
Panchapakesan, N	Blackhole Physics, General Relativity, Cosmology and Astroparticle Physics, Science Education
Panda, Sudhakar	High Energy Physics, String Theory, Cosmology, Quantum Field Theory
Pandey, Dhananjai	Condensed Matter Physics, Materials Science, Crystallography, Structural Phase Transitions and Ferroics & Multiferroics
Pandit, Rahul	Statistical Mechanics of Phase Transitions, Condensed Matter Theory, Spatiotemporal Chaos, Turbulence in Fluids, Plasmas and Mathematical Models for Cardiac Tissue
Pasupathy, J	Theoretical Physics
Pathak, K N	Condensed Matter Physics
Pati, Arun K	Quantum Information Theory, Quantum Computing, Foundations of Quantum Theory

Pradhan, T	Elementary Particles & High Energy Physics, Plasma Physics and Atomic Physics
Puri, Sanjay	Statistical Physics, Condensed Matter Physics and Nonlinear Dynamics
Raghunathan, V A	Soft Matter Physics and Scattering Techniques
Rai Choudhuri, Arnab	History of Science, Theoretical Astrophysics, Magnetohydrodynamics and Solar Physics
Rai Choudhury, Sudhendu	Particle Physics
Rajaraman, R	Theories of Elementary Particles, Quantum Field Theory & Many-Body Theory, Military & Civilian Nuclear Policy
Rajasekaran, G	Quantum Field Theory and High Energy Physics
Ram Sagar,	Astronomy & Astrophysics and High Energy Physics
Ramachandran, R	Particle Physics, Physics Education
Ramakrishnan, Srinivasan	Low Temperature Physics
Ramakrishnan, T V	Condensed Matter Physics and Statistical Mechanics
Ramamurthy, V S	Science & Technology Policy, Nuclear Physics, Applications of Low Energy Accelerators
Ramaswamy, Sriram R	Condensed Matter Physics, Non-Equilibrium Statistical Physics and Physics of Biological Systems
Ramdas, A K	Condensed Matter Physics, Semiconductor Physics, Optical Phenomena and Solid State Spectroscopy
Ranganath, G S	Liquid Crystals and Optics
Ranjan, Rajeev	Materials Science, Ferroelectrics, Piezoelectrics
Rao, A Pramesh	Sun & Solar Wind, Wave Propagation in Random Media, Aperture Synthesis and Radio Imaging
Rao, A R	X-ray Astronomy, X-ray Instrumentation, High Energy Astrophysics
Rao, Madan	Nonequilibrium Statistical Mechanics, Soft Condensed Matter Physics, Biological Physics
Rao, Sumathi	Theoretical Condensed Matter Physics, Quantum field Theory
Ravindran, V	Perturbative Quantum Chromodynamics
Raychaudhuri, Amitava	Particle Physics
Raychaudhuri, Arup K	Nanosciences & Technology, Experimental Solid State & Low Temperature Physics and Instrumentation Development
Raychaudhuri, Pratap	Superconductivity, Magnetism, Low Temperature Scanning, Tunnelling Microscopy/Spectroscopy, High Frequency Electrodynamics of Superconductors
Rindani, S D	Particle Physics
Roy, A P	Condensed Matter Physics
Roy, Probir	Particle & Astroparticle Physics: Field Theory and Phenomenology
Roy, S M	Quantum Information and Foundations of Quantum Theory
Roy Barman, S	Electron Spectroscopy, Surface Science, Materials Studies
Saha-Dasgupta, Tanusri	Condensed Matter Physics, Computational Materials Science, Electronic Structure Calculations
Sahni, Varun	General Relativity & Gravitation, Cosmology: Dark Matter & Dark Energy, Formation of Galaxies, Superclusters & Voids, Cosmic Microwave Background and extra dimensions

Sami, Mohammad	Cosmology, Higher Dimensional Gravity, High Energy Physics
Sampathkumaran, E V	Spin-Chain Behaviour, Kondo Lattices, Strong Electron Correlations, Multiferroics, Magnetism, Superconductivity, Geometrical Frustration
Sanjay Kumar,	Condensed Matter Theory, Biological Physics, Statistical Physics
Sanyal, M K	Condensed Matter Physics, Surface Physics, Synchrotron X-ray Scattering, Quantum Materials
Sarkar, Utpal	Particle & Astroparticle Physics
Sastry, Srikanth	Glasses & other Structurally Arrested Matter, Statistical Mechanics, Liquids and Glass Transition
Satya Prakash,	Planetary, Atmospheric and Space Plasmas
Sen, Abhijit	Plasma Physics, Nonlinear Dynamics and Free Electron Lasers
Sen, Ashoke	Superstring Theory
Sen, Diptiman	Theoretical Condensed Matter Physics and Quantum Field Theory
Sengupta, Krishnendu	Condensed Matter Theory
Sengupta, Surajit	Condensed Matter Physics, Statistical Mechanics and Materials Science
Sharma, Surinder M	Condensed Matter Physics under High Pressures, Synchrotron Beamlines, Molecular Dynamics and First Principles Calculations
Shashidhar, R	Nanoscience & Nanotechnology, Nanostructured Materials, Liquid Crystals & Display Devices, Molecular & Organic Electronics, Nanoelectronics and Nanomaterials
Shastry, B S	Strongly-Correlated Fermi Systems, Quantum Integrable Systems
Shenoy, S R	Condensed Matter Physics and Statistical Physics
Shenoy, V B	Condensed Matter Theory, Strongly-correlated Systems, Cold Atom Physics
Sikka, S K	High Pressure Physics, X-ray & Neutron Diffraction, Band Theory and Nuclear Explosions
Simon, R	Quantum & Classical Optics, Quantum Information Theory and Foundations of Quantum Theory
Singh, K P	X-ray Instrumentation for Astronomy, Active Galactic Nuclei and Cataclysmic Variables, Stellar Coronae, Hot Interstellar & Intracluster Media and Supernova Remnants
Singh, Virendra	Theoretical Physics, Quantum Mechanics and History & Philosophy of Science
Singh, Yashwant	Condensed Matter Physics, Statistical Mechanics and Polymers
Sinha, B C	Nuclear Physics, High Energy Physics, Quark Gluon Plasma, Nuclear Medicine Precursory Signals of Earthquakes, Helium from Thermal Spring and Early Universe Cosmology
Sinha, K P	Solid State Physics, Complex Systems, Non-Equilibrium Quantum Coupling, Low-energy Nuclear Reactions & Condensed Matter Nuclear Science
Sinha, Sudeshna	Dynamical Networks, Nonlinear Dynamics, Chaos, Complex Systems

Sood, A K	Raman Spectroscopy, Time-resolved Ultrafast Spectroscopy, Nanosystems such as Graphene, Nanotubes, Physics of Soft Condensed Matter
Souradeep, Tarun	Cosmology, High Energy Physics, Early Universe
Srianand, R	QSO Spectroscopy, Cosmology and Structure Formation
Srinivasan, G	Statistical Physics, Condensed Matter Physics and Astrophysics
Srinivasan, Ramaswami	Lattice Dynamics, Cryogenics and Laser Cooling of Atoms
Subrahmanya, C R	Real-Time Signal Processing for Radio Telescopes, Observational Cosmology, Satellite Orbit Estimation
Subrahmanyam, Ravi	Radio Astronomy, Observational Cosmology
Subramaniam, Annapurni	Developmental Activities of 30-metre Telescope, Astrosat Mission & UV Studies, Stellar Population, Nearby Galaxies, Star Clusters, Stellar Evolution, Galactic Dynamics
Subramanian, K	Cosmic Magnetic Fields, Structure Formation, Cosmology
Sundar, C S	Condensed Matter Physics, Materials Science, Experimental Techniques of Positron Annihilation Spectroscopy and Infrared Spectroscopy
Sunil Kumar, P B	Soft Condensed Matter Physics, Biological Physics, Computational Physics
Swarup, Govind	Radio Astronomy
Tandon, S N	Cosmic Rays, Infra-Red Astronomy, Ultraviolet Astronomy and Instrumentation for Astronomy & Space Astronomy
Trivedi, Sandip P	String Theory, Particle Physics and Quantum Field Theory
Venkataraman, G	Condensed Matter Physics and Parallel Computers
Verma, M K	Turbulence, Nonlinear Dynamics, Nonequilibrium Statistical Physics
Vijayaraghavan, R	Solid State Physics, Magnetic Resonance, Materials Science and Superconductive Electronics
Wadia, S R	Statistical Mechanics, Quantum Field Theory, String Theory and Quantum Gravity
Waghmare, Umesh V	Multi-functional Oxides & Related Smart Materials, Nanostructures & Materials for Energy & Environment, Geometrics Phase & Electronics Topology of Materials
Warke, C S	Theoretical Nuclear Physics
Yusuf, S M	Magnetism, Advanced Magnetic Materials, Neutron Scattering, Condensed Matter Physics

PLANT SCIENCES

Total Fellows: 58

Name	Specialisation
Abrol, Y P	Agriculture: Crop Physiology, Environmental Sciences
Agrawal, H O	Virology, Microbiology, Environmental Sciences and Biotechnology
Arunachalam, V	Quantitative & Population Genetics, Plant Breeding, Biodiversity (Participatory Plant Breeding)
Babu, C R	Biosystematics, Ecology and Population Genetics
Bhatia, C R	Plant Genetics, Plant Breeding and Biotechnology
Chakraborty, Subhra	Nutritional Genomics, Plant Immunity, Plant Proteomics, Molecular Biology, Biotechnology
Chattopadhyay, Debasis	Abiotic Stress of Plants, Plant Genomics

Chattopadhyay, Sudip	Developmental Biology and Signal Transduction
Chopra, V L	Genetics & Crop Improvement and Plant Biotechnology
DasGupta, Maitrayee	Symbiotic Nitrogen Fixation, Plant Receptor Kinases
Dasgupta, Indranil	Molecular Plant-Virus Interactions, Transgenic Viral Resistance in Plants, Genome Organisation in Plant Viruses
Datta, Swapan K	Plant Biotechnology, Genetic Engineering, Crop Improvement
Ganeshaiyah, K N	Plant Evolutionary Biology, Plant Genetics & Breeding, Foraging Ecology of Ants and Biodiversity & Conservation
Grover, Anil	Plant Abiotic Stress Responses, Plant Biotechnology, Molecular Biology and Crop Sciences
Gupta, Pushpendra K	Cytogenetics, Genetics & Plant Breeding and Crop Biotechnology
Jain, H K	Genetics and Plant Breeding
Khurana, Jitendra P	Photoperception & Signal Transduction in Plants, Structural & Functional Genomics and Plant Hormone Action
Khurana, Paramjit	Plant Biotechnology, Plant Genomics, Plant Developmental Biology
Khush, G S	Plant Genetics & Breeding and Biotechnology
Kohli, R K	Experimental Ecology, Weed Science, Plantation Forestry and Urban Forestry
Kumar, H D	Algology, Microbial Biotechnology, Genetics, Ecology and Environment
Kumar, M Udaya	Molecular Basis of Stress Resistance, Physiology of Water Use Efficiency in Plants and Canopy Photosynthesis
Lahiri Majumder, A N	Plant Biochemistry, Molecular Biology, Biotechnology
Meher-Homji, V M	Plant Ecology, Plant Geography and Bio-Climatology
Mukherjee, S K	Molecular Biology, Extra Chromosomal DNA Replication and Viral Pathogenesis & RNAi
Nath, Utpal	Organ Morphogenesis, Developmental Biology, Plant Biology
Pental, Deepak	Transgenic Crops and Breeding of Oilseed Mustard
Podile, Appa Rao	Molecular Plant Microbe Interactions, Microbial Biotechnology
Raghavendra, A S	Plant Molecular Physiology/Plant Biochemistry, Plant Metabolomics
Ramakrishnan, P S	Socio-ecology, Environment and Sustainable Development
Rangaswamy, N S	Reproductive Physiology of Seed Plants, Plant Tissue Culture and Biotechnology
Rao, R Raghavendra	Plant Taxonomy, Ethnobotany, Phytogeography and Biodiversity & Conservation
Reddy, A Ramachandra	Genetics, Plant Molecular Genetics and Plant Genomics
Sabu, M	Taxonomy of Angiosperms, Reproductive Biology, Anatomy Palynology
Sane, P V	Plant Biochemistry, Photosynthesis and Plant Molecular Biology
Sanjappa, M	Plant Taxonomy and Conservation
Sankara Rao, K	Plant Developmental Biology, Biotechnology, Biodiversity Informatics & Plant Systematics
Sankaran, Mahesh	Climate Change, Ecosystem Ecology, Savanna Ecology
Sethunathan, N	Environmental Microbiology

Shastry, S V S	Cytogenetics, Taxonomy, Plant Breeding and Rice Development
Shetty, H Shekar	Seed Biology, Seed Pathology & Technology, Molecular Plant Pathology and Biotechnological Approach to Plant Disease Management
Shivanna, K R	Pollen Biology, Reproductive Ecology and Conservation Biology
Siddiqi, Imran	Genetics, Plant Development, Genetic Recombination
Singh, J S	Plant Ecology, Ecosystems Analysis and Eco-Physiology
Singh, Randhir	Plant Biochemistry and Biotechnology
Sinha, Alok K	Plant Molecular Biology, Plant Biochemistry, Plant Physiology
Sonti, Ramesh V	Plant-Microbe Interactions, Plant Genetics and Bacterial Genetics
Sopory, S K	Molecular Plant Physiology and Plant Tissue Culture & Transformation
Subramanian, D	Plant Physiology & Pathology, Biochemistry and Microbiology & Biotechnology
Swaminathan, M S	Genetics, Cytogenetics and Plant Breeding
Tripathi, Anil K	Bacterial Genetics & Genomics, Plant Microbe Interaction, Bacterial Diversity
Tuli, Rakesh	Plant Biotechnology, Genetic Engineering and Molecular Biology, Secondary Metabolism
Tuteja, Narendra	Molecular Biology, DNA Replication, Plant Abiotic Stress Tolerance, Signal Transduction and Tissue Culture & Plant Transformation, Calcium-powered Forisomes
Tyagi, Akhilesh K	Genomics, Regulation Biology and Biotechnology
Uma Shaanker, R	Biodiversity, Endophytes, Plant Evolutionary Biology, Conservation Genetics, Bio-prospecting
Varshney, Rajeev K	Applied Genomics, Molecular Breeding, Crop Biotechnology, Capacity Building
Veluthambi, K	Plant Genetic Engineering, Plant Biotechnology and Plant Molecular Biology
Vijayraghavan, Usha	Plant Developmental Genetics, Microbial Genetics and Gene Regulation

GEOGRAPHICAL REPRESENTATION OF FELLOWS

AGRA (UTTAR PRADESH)

1. Mohan, Anand (Earth & Planetary Sciences)

AHMEDABAD (GUJARAT)

1. Amritkar, R E (Physics)
2. Bhandari, Narendra (Earth & Planetary Sciences)
3. Bhardwaj, Anil (Earth & Planetary Sciences)
4. Goswami, J N (Earth & Planetary Sciences)
5. Goswami, Srubabati (Physics)
6. Haider, S A (Earth & Planetary Sciences)
7. Joseph, George (Engineering & Technology)
8. Joshipura, A S (Physics)
9. Lal, Shyam (Earth & Planetary Sciences)
10. Murty, S V S (Earth & Planetary Sciences)
11. Rindani, S D (Physics)
12. Sarin, M M (Earth & Planetary Sciences)
13. Singhvi, A K (Earth & Planetary Sciences)
14. Sridharan, Rajagopal (Earth & Planetary Sciences)

ALIGARH (UTTAR PRADESH)

1. Tahseen, Qudsia (Animal Sciences)

AMRITSAR (PUNJAB)

1. Harjit Singh, (Chemistry)
2. Manoj Kumar, (Chemistry)

BATHINDA (PUNJAB)

1. Kohli, R K (Plant Sciences)

BENGALURU (KARNATAKA)

1. Adimurthi, Adi (Mathematical Sciences)
2. Anand, Anuranjan (Medicine)
3. Anand, G V (Engineering & Technology)
4. Ananthakrishna, G (Physics)
5. Anil Kumar, (Chemistry)
6. Anupama, G C (Physics)
7. Appaji Rao, N (General Biology)

8. Arakeri, J H (Engineering & Technology)
9. Arakeri, V H (Engineering & Technology)
10. Arunachalam, V S (Engineering & Technology)
11. Arunan, E (Chemistry)
12. Athreya, Siva R (Mathematical Sciences)
13. Babu, P (General Biology)
14. Bagchi, Bhaskar (Mathematical Sciences)
15. Bagchi, Biman (Chemistry)
16. Balaji, K N (General Biology)
17. Balakrishnan, N (Engineering & Technology)
18. Balaram, Hemalatha (General Biology)
19. Balaram, P (General Biology)
20. Balasubramanian, S (Chemistry)
21. Banerjee, D (Engineering & Technology)
22. Bansal, Manju (General Biology)
23. Basu, Bikramjit (Engineering & Technology)
24. Bhalla, Upinder S (General Biology)
25. Bhat, B V Rajarama (Mathematical Sciences)
26. Bhat, G S (Earth & Planetary Sciences)
27. Bhat, S V (Physics)
28. Bhatnagar, Shalabh (Engineering & Technology)
29. Bhattacharyya, Aninda J (Chemistry)
30. Bhattacharyya, Tirthankar (Mathematical Sciences)
31. Bhosle, Ushadevi N (Mathematical Sciences)
32. Borges, Renee M (Animal Sciences)
33. Chakraborty, Tushar K (Chemistry)
34. Chakravarty, A R (Chemistry)
35. Chandra, H Sharat (General Biology)
36. Chandra, Nagasuma (General Biology)
37. Chandrasekaran, S (Chemistry)
38. Chandru, Vijay (Engineering & Technology)
39. Chattarji, Sumantra (General Biology)
40. Chatterji, D (General Biology)
41. Chattopadhyay, K (Engineering & Technology)
42. Chockalingam, A (Engineering & Technology)
43. Chokshi, Atul H (Engineering & Technology)
44. Das, Puspendu K (Chemistry)
45. Dasgupta, C (Physics)
46. Datta, Basudeb (Mathematical Sciences)
47. David, Justin R (Physics)
48. Deshpande, S M (Engineering & Technology)
49. Desiraju, G R (Chemistry)
50. Dhar, Abhishek (Physics)
51. Dighe, Rajan (Animal Sciences)
52. Dutta, Pradip (Engineering & Technology)
53. Easwaran, K R K (General Biology)
54. Gadagkar, R (Animal Sciences)
55. Gandhi, K S (Engineering & Technology)

56. Ganeshaiyah, K N (Plant Sciences)
57. Gangadhar, B N (Medicine)
58. Gaur, V K (Earth & Planetary Sciences)
59. George, Subi J (Chemistry)
60. Ghosh, Arindam (Physics)
61. Ghosh, Mrinal K (Mathematical Sciences)
62. Godbole, Rohini M (Physics)
63. Goel, P S (Engineering & Technology)
64. Gopakumar, R (Physics)
65. Gopal, B (General Biology)
66. Gopalakrishnan, J (Chemistry)
67. Gopalakrishnan, S (Engineering & Technology)
68. Gopinath, Gomathy (Medicine)
69. Gopinathan, K P (General Biology)
70. Govindarajan, Rama (Engineering & Technology)
71. Gupta, C M (General Biology)
72. Guru Row, T N (Chemistry)
73. Hariharan, Ramesh (Engineering & Technology)
74. Haritsa, Jayant R (Engineering & Technology)
75. Hasan, Gaiti (Animal Sciences)
76. Hegde, M S (Chemistry)
77. Ila, H (Chemistry)
78. Inamdar, Maneesha S (Animal Sciences)
79. Iyengar, R N (Engineering & Technology)
80. Jacob, K T (Engineering & Technology)
81. Jagirdar, B R (Chemistry)
82. Jayaram, Vikram (Engineering & Technology)
83. Jayaraman, Achuthan (Earth & Planetary Sciences)
84. Jayaraman, N (Chemistry)
85. Jemmis, E D (Chemistry)
86. Jog, Chanda J (Physics)
87. Joseph, K T (Mathematical Sciences)
88. Joshi, Amitabh (Animal Sciences)
89. Joshi, N V (Animal Sciences)
90. Junjappa, H (Chemistry)
91. Kannan, K K (General Biology)
92. Karanth, K Ullas (Animal Sciences)
93. Kasturirangan, K (Engineering & Technology)
94. Kochupillai, N (Medicine)
95. Krishna Murty, A V (Engineering & Technology)
96. Krishnakumar, E (Physics)
97. Krishnamoorthy, K (Earth & Planetary Sciences)
98. Krishnamurthy, H R (Physics)
99. Krishnamurthy, S S (Chemistry)
100. Krishnan, R (Engineering & Technology)
101. Krishnan, S (Engineering & Technology)
102. Krishnan, V (Chemistry)
103. Krupanidhi, S B (Engineering & Technology)

104. Kulkarni, Giridhar U (Chemistry)
105. Kumar, Anurag (Engineering & Technology)
106. Kumar, Arun (Medicine)
107. Kumar, M Udaya (Plant Sciences)
108. Kumar, R (Engineering & Technology)
109. Kumaran, V (Engineering & Technology)
110. Kunnath, Sandeep (Mathematical Sciences)
111. Madhusudana, N V (Physics)
112. Madras, Giridhar (Engineering & Technology)
113. Madyastha, K M (Chemistry)
114. Mahadevan, S (General Biology)
115. Maiti, Prabal K (Physics)
116. Maitra, Uday (Chemistry)
117. Maji, Tapas K (Chemistry)
118. Mathews, C K (Chemistry)
119. Mayor, Satyajit (General Biology)
120. Misra, Gadadhar (Mathematical Sciences)
121. Mugesh, G (Chemistry)
122. Mujumdar, Pradeep P (Earth & Planetary Sciences)
123. Mukherjee, P S (Chemistry)
124. Mukunda, H S (Engineering & Technology)
125. Mukunda, N (Physics)
126. Muniyappa, K (General Biology)
127. Munjal, M L (Engineering & Technology)
128. Murthy, M R N (General Biology)
129. Murty, T G K (Engineering & Technology)
130. Nagaraja, V (General Biology)
131. Nanjundiah, V (Animal Sciences)
132. Narahari, Y (Engineering & Technology)
133. Narasimha, R (Engineering & Technology)
134. Narasimhan, M S (Mathematical Sciences)
135. Narasimhan, R (Engineering & Technology)
136. Narayan, K S (Physics)
137. Narayana, C (Physics)
138. Narayanan, Rishikesh (General Biology)
139. Natarajan, K A (Engineering & Technology)
140. Natarajan, S (Chemistry)
141. Nath, Utpal (Plant Sciences)
142. Navalgund, R R (Earth & Planetary Sciences)
143. Nayak, Shailesh (Earth & Planetary Sciences)
144. Nityananda, R (Physics)
145. Padmanaban, G (General Biology)
146. Pandit, Rahul (Physics)
147. Pasupathy, J (Physics)
148. Pati, Swapan K (Chemistry)
149. Patnaik, L M (Engineering & Technology)
150. Paul, Aloke (Engineering & Technology)
151. Periasamy, N (Chemistry)

152. Prasad, K R (Chemistry)
153. Prasad, Phoolan (Mathematical Sciences)
154. Prasad, Y V R K (Engineering & Technology)
155. Raghavan, S C (General Biology)
156. Raghunathan, V A (Physics)
157. Rai Choudhuri, Arnab (Physics)
158. Rajagopalan, S R (Chemistry)
159. Rajamani, V (Earth & Planetary Sciences)
160. Rajaraman, V (Engineering & Technology)
161. Raju, T R (Medicine)
162. Ram Sagar, (Physics)
163. Ramachandran, J (General Biology)
164. Ramakrishnan, Subramaniam (Chemistry)
165. Ramakrishnan, T V (Physics)
166. Ramamurthy, V S (Physics)
167. Ramasesha, S (Chemistry)
168. Ramasubramanian, S (Mathematical Sciences)
169. Ramaswamy, Mythily (Mathematical Sciences)
170. Ramaswamy, Sriram R (Physics)
171. Ramdorai, Sujatha (Mathematical Sciences)
172. Ranganath, G S (Physics)
173. Ranganath, H A (Animal Sciences)
174. Ranganathan, Srinivasa (Engineering & Technology)
175. Rangarajan, Govindan (Mathematical Sciences)
176. Rangarajan, P N (Medicine)
177. Ranjan, Rajeev (Physics)
178. Rao, A J (General Biology)
179. Rao, C N R (Chemistry)
180. Rao, D Narasimha (General Biology)
181. Rao, K J (Chemistry)
182. Rao, K K (Engineering & Technology)
183. Rao, M R S (General Biology)
184. Rao, Madan (Physics)
185. Rao, R Raghavendra (Plant Sciences)
186. Ravi, V (Medicine)
187. Ravindranath, Vijayalakshmi (Medicine)
188. Ravishankar, N (Engineering & Technology)
189. Roy, A P (Physics)
190. Sampath, S (Chemistry)
191. Sane, Sanjay P (Animal Sciences)
192. Sanjappa, M (Plant Sciences)
193. Sankara Rao, K (Plant Sciences)
194. Sankaran, Mahesh (Plant Sciences)
195. Sanyal, Kaustuv (General Biology)
196. Sarin, Apurva (General Biology)
197. Sarma, D D (Chemistry)
198. Sastry, Srikanth (Physics)
199. Satheesh, S K (Earth & Planetary Sciences)

200. Sathyamurthy, N (Chemistry)
201. Savithri, H S (General Biology)
202. Sen, Diptiman (Physics)
203. Shaila, M S (General Biology)
204. Shenoy, V B (Physics)
205. Shorey, T N (Mathematical Sciences)
206. Shukla, A K (Chemistry)
207. Sikdar, S K (General Biology)
208. Sinha, K B (Mathematical Sciences)
209. Sinha, K P (Physics)
210. Sitaram, A (Mathematical Sciences)
211. Somasundaram, K (Medicine)
212. Sood, A K (Physics)
213. Sowdhamini, R (General Biology)
214. Sreenivasan, Binod (Earth & Planetary Sciences)
215. Sridharan, A (Engineering & Technology)
216. Srinivasan, G (Physics)
217. Srinivasan, J (Engineering & Technology)
218. Srinivasan, N (General Biology)
219. Srinivasan, Ramaswamiah (Earth & Planetary Sciences)
220. Subba Rao, G S R (Chemistry)
221. Subrahmanya, C R (Physics)
222. Subrahmanyam, Ravi (Physics)
223. Subramaniam, Annapurni (Physics)
224. Sukumar, R (Animal Sciences)
225. Sundar Rajan, B (Engineering & Technology)
226. Sundaresan, A (Chemistry)
227. Sunder, R (Engineering & Technology)
228. Surolia, A (General Biology)
229. Surolia, Namita (Medicine)
230. Tatu, Utpal S (General Biology)
231. Thangavelu, S (Mathematical Sciences)
232. Uma Shaanker, R (Plant Sciences)
233. Valdiya, K S (Earth & Planetary Sciences)
234. Varadarajan, R (General Biology)
235. Varshney, Umesh (General Biology)
236. Vasudevan, S (Chemistry)
237. Veerappa Gowda, G D (Mathematical Sciences)
238. Venkatesh, Y V (Engineering & Technology)
239. Verma, Kaushal (Mathematical Sciences)
240. Vijay Kumar, P (Engineering & Technology)
241. Vijayan, M (General Biology)
242. Vijayraghavan, Usha (Plant Sciences)
243. Vinayachandran, P N (Earth & Planetary Sciences)
244. Vishveshwara, Saraswathi (General Biology)
245. Viswanadham, N (Engineering & Technology)
246. Visweswariah, Sandhya S (General Biology)
247. Wadia, S R (Physics)

248. Waghmare, Umesh V (Physics)
249. Yajnik, K S (Engineering & Technology)
250. Yashonath, S (Chemistry)
251. Yathindra, N (General Biology)

BHAVNAGAR (GUJARAT)

1. Das, Amitava (Chemistry)
2. Sukh Dev, (Chemistry)

BHOPAL (MADHYA PRADESH)

1. Bhattacharyya, K (Chemistry)
2. Chaturvedi, Subhash (Physics)
3. Rai Choudhury, Sudhendu (Physics)
4. Umapathy, Siva (Chemistry)

BHUBANESWAR (ODISHA)

1. Dash, A C (Chemistry)
2. Jayannavar, A M (Physics)
3. Jena, P K (Engineering & Technology)
4. Kundu, G C (General Biology)
5. Maharana, J (Physics)
6. Pradhan, T (Physics)

CALICUT (KERALA)

1. Sabu, M (Plant Sciences)

CHANDIGARH (UNION TERRITORY)

1. Bambah, R P (Mathematical Sciences)
2. Grover, Arun K (Physics)
3. Hans-Gill, R J (Mathematical Sciences)
4. Kessar, S V (Chemistry)
5. Passi, I B S (Mathematical Sciences)
6. Pathak, K N (Physics)
7. Patnaik, Rajeev (Earth & Planetary Sciences)
8. Sahni, Girish (General Biology)
9. Tuli, Rakesh (Plant Sciences)

CHENNAI (TAMIL NADU)

1. Arunachalam, V (Plant Sciences)
2. Balaji, V (Mathematical Sciences)
3. Balakrishnan, V (Physics)
4. Balasubramanian, K K (Chemistry)

5. Balasubramanian, R (Mathematical Sciences)
6. Baskaran, G (Physics)
7. Baskaran, S (Chemistry)
8. Chandrakumar, N (Chemistry)
9. Ghosh, Sundargopal (Chemistry)
10. Iyer, Jaya N (Mathematical Sciences)
11. Jagannathan, N R (Medicine)
12. Jhunjhunwala, Ashok (Engineering & Technology)
13. Kalyanaraman, S (Medicine)
14. Karandikar, R L (Mathematical Sciences)
15. Kaul, R K (Physics)
16. Kesavan, S (Mathematical Sciences)
17. Kodiyalam, Vijay (Mathematical Sciences)
18. Krishnamoorthy, G (General Biology)
19. Mani, H S (Physics)
20. Mathews, P M (Physics)
21. Mohan, V (Medicine)
22. Mukund, Madhavan (Mathematical Sciences)
23. Murthy, M V N (Physics)
24. Padmanabhan, K A (Engineering & Technology)
25. Parthasarathy, T (Mathematical Sciences)
26. Pradeep, T (Chemistry)
27. Prasad, Amritanshu (Mathematical Sciences)
28. Raghavan, K N (Mathematical Sciences)
29. Rajasekaran, G (Physics)
30. Ramachandran, S (Engineering & Technology)
31. Ramadas, T R (Mathematical Sciences)
32. Ramakrishna, B S (Medicine)
33. Ramanan, S (Mathematical Sciences)
34. Ramasami, T (Chemistry)
35. Ravindran, V (Physics)
36. Sane, Sharad S (Mathematical Sciences)
37. Sankaran, P (Mathematical Sciences)
38. Sankararaman, S (Chemistry)
39. Saurabh, Saket (Mathematical Sciences)
40. Seshadri, C S (Mathematical Sciences)
41. Simon, R (Physics)
42. Sridharan, Ramaiyengar (Mathematical Sciences)
43. Subramaniam, Kuppuswamy (Animal Sciences)
44. Subramanian, V (Chemistry)
45. Sujith, R I (Engineering & Technology)
46. Sundaram, S (Chemistry)
47. Sundararajan, G (Engineering & Technology)
48. Sunder, V S (Mathematical Sciences)
49. Swaminathan, M S (Plant Sciences)
50. Swaminathan, S (Chemistry)

COIMBATORE (TAMIL NADU)

1. Parthasarathy, R (Mathematical Sciences)
2. Ramakrishnan, M (Earth & Planetary Sciences)

CUTTACK (ODISHA)

1. Mohanty-Hejmadi, P (Animal Sciences)

DEHRADUN (UTTARAKHAND)

1. Arora, B R (Earth & Planetary Sciences)
2. Chandola-Saklani, Asha (Animal Sciences)
3. Gupta, Santosh K (Engineering & Technology)
4. Thakur, V C (Earth & Planetary Sciences)
5. Yadav, Ram Ratan (Earth & Planetary Sciences)

DELHI (UNION TERRITORY)

1. Abrol, Y P (Plant Sciences)
2. Acharya, S K (Medicine)
3. Agrawal, Anurag (Medicine)
4. Ahluwalia, J C (Chemistry)
5. Ali, Sher (Animal Sciences)
6. Ashraf, Mohammad Z (General Biology)
7. Babu, C R (Plant Sciences)
8. Bag, A K (Mathematical Sciences)
9. Bal, Chandrasekhar (Medicine)
10. Bapat, R B (Mathematical Sciences)
11. Batra, J K (General Biology)
12. Bhandari, Nita (Medicine)
13. Bhargava, Balram (Medicine)
14. Bhattacharya, Sudha (General Biology)
15. Brahmachari, S K (General Biology)
16. Chakraborti, Pradip K (General Biology)
17. Chakraborty, Subhra (Plant Sciences)
18. Chattopadhyay, Debasis (Plant Sciences)
19. Chauhan, V S (General Biology)
20. Chopra, K L (Physics)
21. Chopra, V L (Plant Sciences)
22. Choudhury, Debajyoti (Physics)
23. Chowdhury, Shantanu (General Biology)
24. Das, Amita (Physics)
25. Das, Gobardhan (General Biology)
26. Das, Shankar Prasad (Physics)
27. Dasgupta, Indranil (Plant Sciences)
28. Datta, Asis (General Biology)

29. Datta, Kasturi (General Biology)
30. Dhar, S K (General Biology)
31. Dutta Roy, S C (Engineering & Technology)
32. Ganguli, Ashok K (Chemistry)
33. Garg, Naveen (Engineering & Technology)
34. Ghosh, Balaram (General Biology)
35. Gokhale, Rajesh S (General Biology)
36. Goswami, Ravinder (Medicine)
37. Grover, Anil (Plant Sciences)
38. Gupta, L C (Physics)
39. Gupta, Pradeep K (Physics)
40. Gupta, Satish K (Medicine)
41. Hasnain, S E (General Biology)
42. Indira Nath, (Medicine)
43. Jain, H K (Plant Sciences)
44. Jain, Sanjay (Physics)
45. Jairajpuri, M S (Animal Sciences)
46. Jameel, S (Medicine)
47. Joshi, S K (Physics)
48. Kant, Rama (Chemistry)
49. Kapur, P C (Engineering & Technology)
50. Kapuria, Santosh (Engineering & Technology)
51. Khanna, Navin C (Medicine)
52. Khurana, Jitendra P (Plant Sciences)
53. Khurana, Paramjit (Plant Sciences)
54. Kumar, Amit (Mathematical Sciences)
55. Kumar, Lalit (Medicine)
56. Madhubala, Rentala (Animal Sciences)
57. Mahajan, K K (Physics)
58. Maiti, Souvik (General Biology)
59. Malhotra, Pawan (Medicine)
60. Mallick, B N (Animal Sciences)
61. Mallik, R K (Engineering & Technology)
62. Mande, Shekhar C (General Biology)
63. Mehta, C L (Physics)
64. Mitra, A N (Physics)
65. Mohanty, Debasisa (General Biology)
66. Mukerji, Mitali (Medicine)
67. Mukherjee, S K (Plant Sciences)
68. Mukhopadhyay, Amitabha (General Biology)
69. Nandicoori, V K (General Biology)
70. Naqvi, S W A (Earth & Planetary Sciences)
71. Nayak, N C (Medicine)
72. Niazi, I A (Animal Sciences)
73. Pal, Arup K (Mathematical Sciences)
74. Panchapakesan, N (Physics)
75. Panda, S K (Medicine)
76. Parthasarathy, K R (Mathematical Sciences)

77. Paul, V K (Medicine)
78. Pental, Deepak (Plant Sciences)
79. Prasad, G V R (Earth & Planetary Sciences)
80. Prasad, Surendra (Engineering & Technology)
81. Puri, Sanjay (Physics)
82. Raghava, G P S (General Biology)
83. Rajaraman, R (Physics)
84. Ramakrishnan, P S (Plant Sciences)
85. Ramaswamy, R (Chemistry)
86. Rangaswamy, N S (Plant Sciences)
87. Rao, V Ramagopal (Engineering & Technology)
88. Roy, Rahul (Mathematical Sciences)
89. Roy, Rajendra P (General Biology)
90. Salunke, D M (General Biology)
91. Sami, Mohammad (Physics)
92. Sarin, S K (Medicine)
93. Sarkar, Chitra (Medicine)
94. Sarkar, Debi Prasad (General Biology)
95. Saxena, R K (Medicine)
96. Sen, Sandeep (Engineering & Technology)
97. Sengupta, Sagar (General Biology)
98. Shaha, Chandrima (General Biology)
99. Sharma, Amit P (General Biology)
100. Sharma, Anurag (Engineering & Technology)
101. Sharma, Ashutosh (Engineering & Technology)
102. Sharma, Surendra K (Medicine)
103. Sharma, Y D (Medicine)
104. Singh, Bhim (Engineering & Technology)
105. Singh, Sarva Jit (Earth & Planetary Sciences)
106. Singh, T P (General Biology)
107. Singh, Yogendra (General Biology)
108. Sinha, Alok K (Plant Sciences)
109. Sinha, Subrata (Medicine)
110. Sonti, Ramesh V (Plant Sciences)
111. Susheela, A K (Animal Sciences)
112. Sushil Kumar, (General Biology)
113. Talwar, G P (General Biology)
114. Tandon, Nikhil (Medicine)
115. Tandon, P N (Medicine)
116. Thelma, B K (Animal Sciences)
117. Tuteja, Narendra (Plant Sciences)
118. Tyagi, Akhilesh K (Plant Sciences)
119. Tyagi, Anil K (General Biology)
120. Tyagi, Jaya S (Medicine)
121. Varadarajan, S (Chemistry)
122. VijayRaghavan, K (General Biology)

DEVANAHALLI (KARNATAKA)

1. Nagarajan, K (Chemistry)

DHARWAD (KARNATAKA)

1. Saidapur, S K (Animal Sciences)
2. Shanbhag, Bhagyashri A (Animal Sciences)

DONA PAULA (GOA)

1. Anil, A C (Earth & Planetary Sciences)
2. Shankar, D (Earth & Planetary Sciences)
3. Singh, Sunil K (Earth & Planetary Sciences)

DURGAPUR (WEST BENGAL)

1. Chattopadhyay, Sudip (Plant Sciences)

FARIDABAD (HARYANA)

1. Dikshit, Madhu (Medicine)
2. Ganguly, N K (Medicine)
3. Sikka, S K (Physics)
4. Sopory, S K (Plant Sciences)
5. Vrati, Sudhanshu (Medicine)

GANDHINAGAR (GUJARAT)

1. Sen, Abhijit (Physics)
2. Singh, R N (Earth & Planetary Sciences)

GANGTOK (SIKKIM)

1. Khare, Avinash (Physics)

GHAZIABAD (UTTAR PRADESH)

1. Dua-Sharma, Sushil (Medicine)

GUNTUR (ANDHRA PRADESH)

1. Kannan, V (Mathematical Sciences)
2. Shrikhande, S S (Mathematical Sciences)

GURUGRAM (HARYANA)

1. Chaddah, P (Physics)
2. Prasad, Rajendra (General Biology)
3. Sinha, Pratima (General Biology)
4. Tandon, S K (Earth & Planetary Sciences)

GUWAHATI (ASSAM)

1. Chattopadhyay, Arun (Chemistry)
2. Chaudhuri, M K (Chemistry)
3. Goswami, B N (Earth & Planetary Sciences)
4. Patel, B K (Chemistry)
5. Punniyamurthy, T (Chemistry)

HOWRAH (WEST BENGAL)

1. Ghosh, Amitabha (Engineering & Technology)
2. Ghosh, Subir K (Engineering & Technology)
3. Sarkar, S (Chemistry)

HYDERABAD (TELANGANA)

1. Balasubramanian, D (General Biology)
2. Barma, M (Physics)
3. Basavaiah, D (Chemistry)
4. Bhanu Sankara Rao, K (Engineering & Technology)
5. Bhargava, Purnima (General Biology)
6. Chandak, G R (Medicine)
7. Chandrasekhar, Srivari (Chemistry)
8. Chandrasekhar, V (Chemistry)
9. Chattopadhyay, Amitabha (General Biology)
10. Choudary, B M (Chemistry)
11. Das, Samar K (Chemistry)
12. Durga Prasad, M (Chemistry)
13. Dutta Gupta, Aparna (Animal Sciences)
14. Gahalaut, V K (Earth & Planetary Sciences)
15. Ganguly, C (Engineering & Technology)
16. Iqbal, Javed (Chemistry)
17. Jayananda, M (Earth & Planetary Sciences)
18. Kasbekar, D P (General Biology)
19. Kaul, S N (Physics)
20. Kaur, Rupinder (General Biology)
21. Khan, F A (Chemistry)
22. Khosla, Sanjeev (General Biology)
23. Krishna, K S (Earth & Planetary Sciences)
24. Krishnamurthy, M (Physics)
25. Krishnaswamy, Kamala (Medicine)

26. Kumara Swamy, K C (Chemistry)
27. Mahapatra, Susanta (Chemistry)
28. Majumdar, Subeer S (Animal Sciences)
29. Mehta, G (Chemistry)
30. Mishra, R K (Animal Sciences)
31. Mitra, Debashis (General Biology)
32. Mohan Rao, Ch. (General Biology)
33. Mukhopadhyay, Sangita (Medicine)
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39. Periasamy, M (Chemistry)
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55. Sen, K D (Chemistry)
56. Sen, Ranjan (General Biology)
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58. Senthilkumaran, B (Animal Sciences)
59. Sharma, Yogendra (General Biology)
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61. Sheno, S S Chandra (Earth & Planetary Sciences)
62. Shenoy, S R (Physics)
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68. Swarup, Ghanshyam (General Biology)
69. Taqui Khan, M M (Chemistry)
70. Thangaraj, K (General Biology)
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72. Vidyasagar, M (Engineering & Technology)
73. Yegnanarayana, B (Engineering & Technology)

INDORE (MADHYA PRADESH)

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2. Mathur, Pradeep (Chemistry)
3. Narlikar, A V (Physics)
4. Pal, G P (Medicine)
5. Roy Barman, S (Physics)

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2. Misra, K B (Engineering & Technology)
3. Sharma, R S (Earth & Planetary Sciences)

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2. Sastry, G Narahari (Chemistry)

KALPAKKAM (TAMIL NADU)

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13. Ramachandran, R (Physics)

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17. Verma, Sandeep (Chemistry)
18. Yadav, Veejendra K (Chemistry)

KARNAL (HARYANA)

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KATTANKULATHUR (TAMIL NADU)

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11. Mandal, Mahitosh (Animal Sciences)
12. Manna, Indranil (Engineering & Technology)
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14. Pathak, Tanmaya (Chemistry)
15. Sarkar, Anindya (Earth & Planetary Sciences)
16. Sarkar, Utpal (Physics)

KHORDHA (ODISHA)

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3. Mohanty, U C (Earth & Planetary Sciences)
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5. Roy, Sujit (Chemistry)
6. Panda, Sudhakar (Physics)

KOLAPAKKAM (TAMIL NADU)

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KOLHAPUR (MAHARASHTRA)

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7. Barman, Anjan (Physics)
8. Barua, A K (Physics)
9. Basu, Joyoti (General Biology)
10. Basu, M K (General Biology)
11. Basu, S K (General Biology)
12. Bhattacharjee, J K (Physics)
13. Bhattacharya, S K (Earth & Planetary Sciences)
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18. Bhattacharyya, S P (Chemistry)
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21. Bose, D N (Engineering & Technology)
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23. Bose, S K (Mathematical Sciences)
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27. Chakraborty, Tapas (Chemistry)
28. Chakravorty, A (Chemistry)
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38. Das, Pijush K (General Biology)
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53. Goswami, Sreebrata (Chemistry)
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66. Mandal, Prabhat (Physics)
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68. Mondal, N K (Physics)
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70. Mukherjee, D (Chemistry)
71. Mukhopadhyay, D (Earth & Planetary Sciences)
72. Munshi, Ritabrata (Mathematical Sciences)
73. Nag, K (Chemistry)
74. Nandi, Arun K (Chemistry)
75. Pal, Amlan J (Physics)
76. Pal, S K (Engineering & Technology)
77. Patra, Amitava (Chemistry)
78. Pradhan, Narayan (Chemistry)
79. Ranu, B C (Chemistry)
80. Ray, D S (Chemistry)
81. Raychaudhuri, Amitava (Physics)
82. Raychaudhuri, Arup K (Physics)
83. Roy, A B (Earth & Planetary Sciences)
84. Roy, Probir (Physics)
85. Roy, Siddhartha (General Biology)
86. Roy, Syamal (General Biology)
87. Roychoudhury, Susanta (Animal Sciences)
88. Saha-Dasgupta, Tanusri (Physics)
89. Sanyal, M K (Physics)
90. Sarkar, P K (General Biology)

91. Sengupta, Krishnendu (Physics)
92. Sengupta, Pulak (Earth & Planetary Sciences)
93. Sinha, B C (Physics)

KOTTAYAM (KERALA)

1. John, P I (Physics)

LUCKNOW (UTTAR PRADESH)

1. Aggarwal, Amita (Medicine)
2. Agrawal, H O (Plant Sciences)
3. Anand, Nitya (Chemistry)
4. Awasthi, Shally (Medicine)
5. Bhakuni, D S (Chemistry)
6. Chaturvedi, U C (Medicine)
7. Dube, Anuradha (Animal Sciences)
8. Habib, Saman (General Biology)
9. Kundu, Tapas K (General Biology)
10. Mathur, Asha (Medicine)
11. Misra, U K (Medicine)
12. Nityanand, Soniya (Medicine)
13. Sahni, Ashok (Earth & Planetary Sciences)
14. Sane, P V (Plant Sciences)

MADURAI (TAMIL NADU)

1. Dharmalingam, K (General Biology)
2. Marimuthu, G (Animal Sciences)
3. Muthukkaruppan, V (Animal Sciences)
4. Pandian, T J (Animal Sciences)
5. Pitchappan, R M (Medicine)
6. Ramaraj, R (Chemistry)
7. Veluthambi, K (Plant Sciences)

MANESAR (HARYANA)

1. Basu, Anirban (Medicine)

MANIPAL (KARNATAKA)

1. Kailas, S (Physics)
2. Mathur, D (Physics)
3. Valiathan, M S (Medicine)

MEERUT (UTTAR PRADESH)

1. Gupta, Pushpendra K (Plant Sciences)

MEHSANA (GUJARAT)

1. Yadav, J S (Chemistry)

MOHALI (PANJAB)

1. Ghosh, H N (Chemistry)

MOHANPUR (WEST BENGAL)

1. Banerjee, Soumitro (Engineering & Technology)
2. Chaudhuri, Arabinda (Chemistry)
3. Mukhopadhyaya, Biswarup (Physics)
4. Pal, Sourav (Chemistry)
5. Sinha, Somdatta (Animal Sciences)

MUMBAI (MAHARASHTRA)

1. Agarwal, Vivek (Engineering & Technology)
2. Agrawal, P C (Physics)
3. Antia, H M (Physics)
4. Apte, S K (General Biology)
5. Bandyopadhyay, Bijnan (Engineering & Technology)
6. Banerjee, Rinti (Medicine)
7. Banerjee, Srikumar (Engineering & Technology)
8. Bhaduri, Sumit (Chemistry)
9. Bhatia, C R (Plant Sciences)
10. Bhattacharyya, Archana (Earth & Planetary Sciences)
11. Bhisey, Rajani A (Medicine)
12. Biswas, Indranil (Mathematical Sciences)
13. Borkar, V S (Engineering & Technology)
14. Chakrabarti, Soumen (Engineering & Technology)
15. Chaudhuri, Subhasis (Engineering & Technology)
16. Chidambaram, R (Physics)
17. Chitre, S M (Physics)
18. Damle, K S (Physics)
19. Dani, S G (Mathematical Sciences)
20. Dasannacharya, B A (Physics)
21. Dastidar, P R (Engineering & Technology)
22. Deshmukh, M M (Physics)
23. Dey, Gautam Kumar (Engineering & Technology)
24. Dighe, Amol (Physics)
25. Gavai, Rajiv V (Physics)
26. Gharda, K H (Chemistry)
27. Ghate, Eknath (Mathematical Sciences)
28. Ghosh, Anish (Mathematical Sciences)
29. Ghosh, P K (Chemistry)
30. Ghosh, Swapan K (Chemistry)

31. Ghosh, Swarna Kanti (Physics)
32. Godwal, B K (Physics)
33. Govil, G (Chemistry)
34. Gupta, Sourendu (Physics)
35. Gurtu, Atul (Physics)
36. Hosur, R V (Chemistry)
37. Jha, S S (Physics)
38. Johri, M M (General Biology)
39. Joshi, J B (Engineering & Technology)
40. Kakodkar, Anil (Engineering & Technology)
41. Kaliappan, K P (Chemistry)
42. Kant, Tarun (Engineering & Technology)
43. Kapoor, S S (Physics)
44. Kartha, V B (Chemistry)
45. Kenkare, U W (General Biology)
46. Khakhar, D V (Engineering & Technology)
47. Kotha, Sambasiva R (Chemistry)
48. Krishna Swamy, K S (Physics)
49. Krishna, Amalendu (Mathematical Sciences)
50. Kulkarni, P V (Physics)
51. Kumar, G Ravindra (Physics)
52. Lahiri, Goutam K (Chemistry)
53. Mahan, Mj (Mathematical Sciences)
54. Mahapatra, Souvik (Engineering & Technology)
55. Maiti, Kalobaran (Physics)
56. Maiti, Sudipta (Chemistry)
57. Majumder, Gobinda (Physics)
58. Mallik, Roop (General Biology)
59. Mandal, Gautam (Physics)
60. Meher-Homji, V M (Plant Sciences)
61. Minwalla, Shiraz (Physics)
62. Mishra, Manoj K (Chemistry)
63. Mistry, K B (General Biology)
64. Mittal, J P (Chemistry)
65. Mitra, Indraneel (Medicine)
66. Murugavel, R (Chemistry)
67. Nadkarni, M G (Mathematical Sciences)
68. Nagarajan, R (Physics)
69. Namboothiri, I N N (Chemistry)
70. Narasimham, V S (Physics)
71. Nitsure, Nitin (Mathematical Sciences)
72. Ojha, D K (Physics)
73. Palit, Dipak K (Chemistry)
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78. Parulkar, G B (Medicine)

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80. Pitke, M V (Engineering & Technology)
81. Prasad, Dipendra (Mathematical Sciences)
82. Radhakrishnan, J (Mathematical Sciences)
83. Raghunathan, M S (Mathematical Sciences)
84. Rajan, C S (Mathematical Sciences)
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88. Rao, A R (Physics)
89. Rao, P V S (Engineering & Technology)
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93. Roy, S M (Physics)
94. Sampathkumaran, E V (Physics)
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96. Sharma, Shobhona (General Biology)
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101. Singh, Balwant (Mathematical Sciences)
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103. Singh, Virendra (Physics)
104. Singhi, N K M (Mathematical Sciences)
105. Srinivas, V (Mathematical Sciences)
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107. Sunoj, Ragahvan B (Chemistry)
108. Tole, Shubha (General Biology)
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110. Tyagi, Avesh K (Chemistry)
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112. Vanninathan, M (Mathematical Sciences)
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117. Warke, C S (Physics)
118. Yadav, G D (Engineering & Technology)
119. Yusuf, S M (Physics)

MYSURU (KARNATAKA)

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2. Raghavarao, KSMS (Engineering & Technology)
3. Rajasekharan, Ram (General Biology)
4. Ramachandra, N B (Animal Sciences)

5. Shetty, H Shekar (Plant Sciences)
6. Singh, Mewa (Animal Sciences)
7. Srinivasan, Ramaswami (Physics)

NAGADENAHALLI (KARNATAKA)

1. Radhakrishna, T (Earth & Planetary Sciences)

NAINITAL (UTTARAKHAND)

1. Banerjee, Dipankar (Physics)

NOIDA (UTTAR PRADESH)

1. Das, B C (Medicine)
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3. Malhotra, K C (Animal Sciences)
4. Sharma, Rameshwar P (General Biology)
5. Wadhwa, Shashi (Medicine)

PALAKKAD (KERALA)

1. Sebastian, K L (Chemistry)
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PANAJI (GOA)

1. Shetye, S R (Earth & Planetary Sciences)

PANCHKULA (HARYANA)

1. Chander, Ramesh (Earth & Planetary Sciences)

PATANCHERU (TELANGANA)

1. Varshney, Rajeev K (Plant Sciences)

PATIALA (PUNJAB)

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PUDUCHERRY (UNION TERRITORY)

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PRASANTI NILAYAM (ANDHRA PRADESH)

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PUNE (MAHARASHTRA)

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46. Padmanabhan, T (Physics)
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68. Swarup, Govind (Physics)
69. Tandon, S N (Physics)
70. Udgaonkar, Jayant B (General Biology)

ROORKEE (UTTARAKHAND)

1. Bajpai, Sunil (Earth & Planetary Sciences)
2. Srivastava, D C (Earth & Planetary Sciences)

RUPNAGAR (PUNJAB)

1. Agrewala, J N (Medicine)
2. Chakraborti, Asit K (Chemistry)
3. Chhabra, Rajendra P (Engineering & Technology)

SANTINIKETAN (WEST BENGAL)

1. Bhattacharya, Samir (Animal Sciences)

SAS NAGAR (PUNJAB)

1. Bachhawat, Anand K (General Biology)
2. Bharatam, Prasad V (Chemistry)
3. Gowrishankar, J (General Biology)
4. Khanduja, Sudesh K (Mathematical Sciences)
5. Paranjape, K H (Mathematical Sciences)
6. Sinha, Sudeshna (Physics)

SECUNDERABAD (TELANGANA)

1. Deekshatulu, B L (Engineering & Technology)
2. Sethunathan, N (Plant Sciences)
3. Subramanian, D (Plant Sciences)
4. Venkateswara Rao, G (Engineering & Technology)

SINDHUDURG (MAHARASHTRA)

1. Gaitonde, B B (Medicine)

SONEPAT (HARYANA)

1. Bhatia, R (Mathematical Sciences)
2. Bhattacharjee, S M (Physics)
3. Bhattacharya, Alok (General Biology)
4. Rao, T S S R K (Mathematical Sciences)

SRINAGAR (JAMMU AND KASHMIR)

1. Ahmad, Talat (Earth & Planetary Sciences)

SULTANPUR (UTTAR PRADESH)

1. Nath, G (Mathematical Sciences)

THANE (MAHARASHTRA)

1. Gangal, S V (Medicine)

THIRUVANANTHAPURAM (KERALA)

1. Jayakrishnan, A (Engineering & Technology)
2. Ajayaghosh, A (Chemistry)
3. Das, Suresh (Chemistry)

4. George Thomas, K (Chemistry)
5. Gopidas, K R (Chemistry)
6. Gopinathan, M S (Chemistry)
7. Kartha, C C (Medicine)
8. Nair, G Balakrish (Medicine)
9. Nair, G Vijay (Chemistry)
10. Pillai, M Radhakrishna (Medicine)
11. Prathap, G (Engineering & Technology)
12. Sureshan, K M (Chemistry)

TIRUCHIRAPALLI (TAMIL NADU)

1. Lakshmanan, M (Physics)
2. Palaniandavar, M (Chemistry)

TIRUPATI (ANDHRA PRADESH)

1. Ganesh, K N (General Biology)
2. Nagaraj, D S (Mathematical Sciences)
3. Patra, Amit K (Earth & Planetary Sciences)
4. Rao, B Jagadeeshwar (General Biology)
5. Rao, C Pulla (Chemistry)
6. Rao, T Narayana (Earth & Planetary Sciences)
7. Vijayamohanan, K (Chemistry)

TUMKUR (KARNATAKA)

1. Shivanna, K R (Plant Sciences)

VADLAMUDI (ANDHRA PRADESH)

1. Purnachandra Rao, V (Earth & Planetary Sciences)

VALLABH VIDYANAGAR (GUJARAT)

1. Bhatt, Subhash J (Mathematical Sciences)

VARANASI (UTTAR PRADESH)

1. Bhatnagar, Rakesh (Animal Sciences)
2. Dash, Debabrata (Medicine)
3. Krishna, P (Physics)
4. Kumar, H D (Plant Sciences)
5. Lakhotia, S C (Animal Sciences)
6. Pandey, D S (Chemistry)
7. Pandey, Dhananjai (Physics)
8. Pandey, G P (Chemistry)
9. Raman, R (Animal Sciences)

10. Rao, N V Chalapathi (Earth & Planetary Sciences)
11. Sanjay Kumar, (Physics)
12. Singh, J S (Plant Sciences)
13. Singh, M S (Chemistry)
14. Singh, Yashwant (Physics)
15. Srinivasan, M S (Earth & Planetary Sciences)
16. Srivastava, R K (Earth & Planetary Sciences)
17. Sundar, Shyam (Medicine)
18. Tripathi, Anil K (Plant Sciences)

VELLORE (TAMIL NADU)

1. Balasubramanian, A S (Medicine)
2. Balasubramanian, K A (Medicine)
3. Jacob John, T (Medicine)
4. Kang, Gagandeep (Medicine)
5. Mathews, Vikram (Medicine)
6. Rajshekhar, V (Medicine)

VISAKHAPATNAM (ANDHRA PRADESH)

1. Dileep Kumar, M (Earth & Planetary Sciences)
2. Sarma, V V S S (Earth & Planetary Sciences)

FELLOWS ABROAD

AUSTRALIA

1. Bhatia, S K (Engineering & Technology)

BRAZIL

1. Malik, S K (Physics)

CANADA

1. Menon, T K (Physics)

FRANCE

1. Chitnis, Chetan E (Medicine)

ITALY

1. Dabholkar, Atish (Physics)

NETHERLANDS

1. Krishna, R (Engineering & Technology)

QUATAR

1. Krishna Kumar, K (Earth & Planetary Sciences)

SINGAPORE

1. Ramamurty, U (Engineering & Technology)
2. Shivashankar, G V (General Biology)

SWITZERLAND

1. Swaminathan, Soumya (Medicine)

U.K.

1. Merh, S S (Earth & Planetary Sciences)
2. Ranade, V V (Engineering & Technology)
3. Subba Rao, B R (Animal Sciences)

USA

1. Agarwal, G S (Physics)

2. Amarjit Singh, (Engineering & Technology)
3. Athreya, K B (Mathematical Sciences)
4. Chandrasekhar, J (Chemistry)
5. Chaudhari, R V (Engineering & Technology)
6. Cowsik, R (Physics)
7. Das, S R (Physics)
8. Deb, Kalyanmoy (Engineering & Technology)
9. Gopalan, K (Earth & Planetary Sciences)
10. Jayaraman, Aiyasami (Physics)
11. Kamal, A K (Engineering & Technology)
12. Kasturi, T R (Chemistry)
13. Khush, G S (Plant Sciences)
14. Mantravadi, M V (Physics)
15. Mohan Kumar, N (Mathematical Sciences)
16. Narain, Prem (Animal Sciences)
17. Narayanamurti, V (Physics)
18. Nori, M V (Mathematical Sciences)
19. Pai, M A (Engineering & Technology)
20. Parimala, R (Mathematical Sciences)
21. Prasad, Gopal (Mathematical Sciences)
22. Ramamurthy, V (Chemistry)
23. Ramdas, A K (Physics)
24. Rao, M N (Earth & Planetary Sciences)
25. Sasisekharan, V (General Biology)
26. Satya Prakash, (Physics)
27. Shah, Nimish A (Mathematical Sciences)
28. Shashidhar, R (Physics)
29. Shastri, B S (Physics)
30. Sinha, A P B (Chemistry)
31. Subramanian, S (Chemistry)
32. Suresh, V (Mathematical Sciences)
33. Thiagarajan, P S (Mathematical Sciences)

**FELLOWS AND HONORARY FELLOWS
DECEASED IN 2019**

FELLOWS

1. Bhan, Maharaj Kishan (demised 26 Jan. 2020)
2. George, Manapurathu Verghese
3. Gopalan, Coluthur
4. Jain, Dharam Vir Singh
5. Jayaraman, Ramamirtha
6. Kulkarni, Bhaskar Dattatraya
7. Maheshwari, Satish Chandra
8. Manoharan, Periakaruppan Thangiah
9. Pandita, Pran Nath
10. Pandya, Sudhir Pradyumna
11. Ramakrishnan, Chandrasekharan
12. Ramaswamy, Melkote Krishnarao (demised 01 Jan. 2020)
13. Roy, Tuhin Kumar
14. Rudraiah, Nanjundappa
15. Santhanam, Vaidyanathaswamy
16. Shankar, Pattamadai Narasimhan
17. Sharma, Ram Prakash
18. Sreekantan, Badanaval Venkata
19. Subrahmanyam, Nekkalapudi Chinna
20. Venkatesan, Kailasam

HONORARY FELLOWS

1. Bonner, John Tyler
2. Brenner, Sydney

FELLOWS DECEASED SINCE 1934

	Born	Elected	Deceased
1. Abhyankar, K.D.	June 21, 1928	1974	Nov. 8, 2007
2. Abhyankar, S.S.	June 22, 1930	1988	Nov. 2, 2012
3. Abraham, A.	May 25, 1914	1957	May 20, 1994
4. Abraham, K.P.	Aug. 28, 1920	1975	Dec. 23, 2011
5. Acharya, C.N.		1936	
6. Adiga, P.R.	May 05, 1935	1982	Sep. 13, 2006
7. Adyalkar, P.G.	Dec. 3, 1927	1974	Nov. 13, 2007
8. Agnihothrudu, V.	May 15, 1930	1967	Apr. 5, 1999
9. Agarwal, S.S.	July 5, 1941	1985	Dec. 2, 2013
10. Ahmad, F.	Jan. 4, 1916	1974	Mar. 23, 1996
11. Ahmed, Nazir	May 1, 1898	1934 [†]	Aug. 12, 1973
12. Aiyar, R. Gopala	Jan. 20, 1887	1934*	Jan. 18, 1971
13. Ali, Salim	Nov. 12, 1896	1975	June 20, 1987
14. Alikunhi, K.H.	May 27, 1918	1969	Sep. 26, 2010
15. Ambasankaran, C.	Aug. 22, 1923	1973	Aug. 20, 1990
16. Anand, B.K.	Sep. 19, 1917	1975	Apr. 2, 2007
17. Anand Kumar, T.C.	June 18, 1936	1981	Jan. 26, 2010
18. Ananthakrishnan, R.	Apr. 11, 1911	1938	July 21, 1998
19. Ananthakrishnan, S.V.	Oct. 4, 1908	1939	Jan. 17, 1989
20. Ananthakrishnan, T.N.	Dec. 15, 1925	1975	Aug. 7, 2015
21. Ananthanarayanan, L.K.	Dec. 17, 1916	1967	1978
22. Anantharamaiah, K.R.	Sep. 2, 1952	1994	Oct. 29, 2001
23. Anantharaman, T R	Nov. 25, 1927	1964	June 19, 2009
24. Anguli, V.C.	Oct. 25, 1919	1962	July 22, 2000
25. Anil Kumar	Apr. 10, 1951	1995	Nov. 2, 2002
26. Anil Kumar	Sep. 18, 1955	2008	Apr. 16, 2018
27. Appajee, Y.	Mar. 25, 1904	1939	Aug. 5, 1984
28. Asana, J.J.	July 30, 1890	1934*	Dec. 16, 1954
29. Asthana, R.P.	Feb. 20, 1906	1945	1965
30. Asundi, M.K.	May 1, 1930	1975	Dec. 1, 2003
31. Asundi, R.K.	Aug. 14, 1895	1935 [†]	Feb. 2, 1982
32. Aswathanarayana, U.	July 1, 1928	1976	Mar. 7, 2016
33. Authikesavalu, M.	Aug. 16, 1906	1948	Sep. 22, 1973
34. Awasthi, D.D.	Aug. 1, 1922	1978	Aug. 21, 2011
35. Awati, P.R.	Dec. 18, 1887	1935 [†]	Feb. 16, 1966
36. Ayer, A. Ananthanarayana		1951	Dec. 9, 1971
37. Ayyangar, G.N. Rangaswami	May 19, 1887	1934 [†]	Nov. 17, 1968
38. Ayyangar, N.N.		1935 [†]	Nov. 22, 1940

*Was one of the first 65 Fellows who founded the Academy.

[†]A "Foundation Fellow" (so designated according to the Statutes of the Academy in 1934) i.e., those who joined as Fellows till July 1935.

	Born	Elected	Deceased
39. Ayyar, H. Subramonia	1892	1942	Feb. 28, 1961
40. Ayyar, P. Ramaswami	Dec. 21, 1889	1936	Mar. 9, 1966
41. Ayyar, T.V. Ramakrishna	1880	1934 [†]	Feb. 13, 1952
42. Ayyar, V. Ramanatha	Oct. 17, 1892	1935 [†]	June 13, 1984
43. Baba, C.V.K.	Oct. 2, 1937	1977	Dec. 5, 2006
44. Bachhawat, B.K.	Aug. 16, 1925	1974	Sep. 23, 1996
45. Badami, J.S.	Dec. 25, 1908	1934*	Jan. 13, 2000
46. Bagchee, K.	Jan. 19, 1898	1935 [†]	Jan. 6, 1973
47. Bahadur, R.R.	Apr. 30, 1924	1975	June 7, 1997
48. Bal, D.V.	Aug. 25, 1905	1934, 1943	Apr. 1, 1999
49. Baldev Raj	Apr. 9, 1947	2000	Jan. 6, 2018
50. Baliah, V.	Aug. 15, 1917	1974	Sep. 26, 2000
51. Banerjee, D.K.	Jan. 16, 1912	1957	June 10, 1993
52. Banerjee, I.	May 27, 1898	1949	Jan. 31, 1971
53. Banerjee, K.	Sep. 15, 1900	1941	Apr. 30, 1975
54. Banerjee, M.K.	1931	1977	Feb. 18, 2006
55. Banerji, S.K.	Apr. 27, 1893	1934*	Aug. 10, 1966
56. Bappu, M.K.V.	Aug. 10, 1927	1960	Aug. 19, 1982
57. Bardhan, P.N.		1965	Aug. 12, 1966
58. Barnabas, J.	Oct. 12, 1929	1976	July 30, 1994
59. Barnard, T.W.		1934*	
60. Basu, S.	Jan. 2, 1922	1974	Oct. 5, 1992
61. Bhabha, H.J.	Oct. 30, 1909	1941	Jan. 24, 1966
62. Bhaduri, A.N.	Nov. 12, 1935	1989	June 5, 2003
63. Bhagavantam, S.	Oct. 14, 1909	1934*	Feb. 6, 1989
64. Bhagwat, W.V.	Oct. 10, 1906	1945	Jan. 28, 2000
65. Bhakuni, Vinod	May 24, 1962	2004	July 15, 2011
66. Bhalerao, G.D.	Dec. 10, 1897	1937	Dec. 6, 1948
67. Bhan, M.K.	Nov. 9, 1947	1991	Jan. 26, 2020
68. Bharadwaja, Y.	Aug. 13, 1895	1935 [†]	Mar. 25, 1963
69. Bhargava, B.N.	Dec. 25, 1919	1974	Aug. 3, 2009
70. Bhargava, P.M.	Feb. 22, 1928	1976	Aug. 1, 2017
71. Bharucha, F.R.	May 4, 1904	1938	Mar. 30, 1981
72. Bhat, J.V.	Mar. 3, 1913	1957	Dec. 21, 1985
73. Bhatt, M.V.	Feb. 1, 1924	1981	Apr. 19, 2016
74. Bhatia, B.L.	Aug. 14, 1884	1935 [†]	July 15, 1941
75. Bhatia, S.L.	Aug. 5, 1891	1934*	July 16, 1981
76. Bhatnagar, P.L.	Aug. 8, 1912	1956	Oct. 5, 1976
77. Bhatnagar, S.S.	Feb. 21, 1894	1934 [†]	Jan. 1, 1955
78. Bhattacharya, D.R.	Jan. 18, 1888	1940	Aug. 26, 1956
79. Bhattacharyya, J.C.	Sep. 1, 1930	1979	June 4, 2012
80. Bhattacharyya, P.K.	Oct. 22, 1921	1976	Apr. 16, 1996
81. Bhattacharyya, S.C.	Aug. 31, 1918	1975	May 19, 2013
82. Bhattacharjee, S.K.	Oct. 2, 1926	1973	Apr. 28, 2013
83. Bhatti, H.K.	Feb. 7, 1895	1940	Dec. 14, 1980

	Born	Elected	Deceased
84. Bhide, V.G.	Aug. 8, 1925	1974	June 25, 2006
85. Bhimachar, B.S.	July 7, 1906	1951	Jan. 11, 1979
86. Biswas, A.B.	Jan. 12, 1917	1974	Oct. 23, 1979
87. Biswas, B.B.	Mar. 1, 1928	1977	June 9, 2018
88. Biswas, S.N.	May 1, 1926	1974	Jan. 3, 2005
89. Biswas, Sukumar	Jul. 1, 1924	1976	Nov. 16, 2009
90. Bor, N.L.	May 2, 1893	1942	Dec. 22, 1972
91. Bose, M.K.	Sep. 1, 1933	1981	Oct. 1, 2009
92. Bose, M.N.	Mar. 23, 1925	1982	Apr. 27, 2011
93. Brahm, Prakash	Aug. 21, 1912	1972	Jan. 3, 1984
94. Brahmayya Sastry, P.	May 24, 1913	1978	May 28, 1993
95. Burley, G.W.		1935	
96. Burma, D.P.	Feb. 1, 1925	1976	Feb. 4, 2005
97. Chakko, K.C.		1934 [†]	
98. Chakravarthy, S.N.	1903	1934*	Aug. 28, 1945
99. Chakravarti, S.P.	Nov. 3, 1904	1943	July 15, 1981
100. Chakravarty, Charusita	May 5, 1964	2006	Mar. 29, 2016
101. Chandraratna, M.F.		1951	1959
102. Chandrasekaran, C.	Oct. 30, 1911	1945	Jan. 4, 2000
103. Chandrasekhar, Sivaramakrishna	Aug. 6, 1930	1962	Mar. 8, 2004
104. Chandrasekhar, S.	Oct. 19, 1910	1934*	Aug. 21, 1995
105. Chandrasekharan, K.	Nov. 21, 1920	1959	Apr. 13, 2017
106. Chandrasekharan, V.	Nov. 12, 1925	1973	Sep. 5, 2003
107. Chandrashekaran, M.K.	Jan. 4, 1937	1983	July 2, 2009
108. Chandy, Jacob	Jan. 23, 1910	1961	June 23, 2007
109. Chariar, V.R.	May 1903	1949	July 31, 1996
110. Chatterjee, Asima	Sep. 23, 1917	1975	Nov. 22, 2006
111. Chattoo, B.B.	May 25, 1949	2010	Nov. 15, 2016
112. Chaudhuri, H.	July 28, 1895	1934 [†]	Aug. 19, 1945
113. Chauhan, B.S.	May 2, 1915	1952	Feb. 4, 2007
114. Cheema, G.S.		1934*	Jan. 2, 1972
115. Cherian, M.C.		1937	
116. Chhuttani, P.N.	Feb. 26, 1915	1973	July 19, 1996
117. Chopra, I.C.	Jan. 8, 1911	1962	Oct. 18, 1996
118. Chopra, N.N.		1945	
119. Chowdhury, Mihir	July 15, 1937	1977	Mar. 28, 2017
120. Chowla, Sarvadaman	Aug. 22, 1907	1934*	Dec. 10, 1995
121. Cipriani, L.	1892	1935 [†]	Oct. 1962
122. Correia, A.C.G.	Aug. 22, 1888	1935 [†]	
123. Damodaran, M.	Oct. 18, 1903	1934 [†] , 1942	Dec. 1957
124. Daniel, R.R.	Aug. 11, 1923	1966	Mar. 27, 2005
125. Daruwalla, E.H.	Oct. 24, 1923	1974	Mar. 17, 2012
126. Das, J.	Sep. 13, 1939	1988	July 26, 1998
127. Das, M.R.	July 2, 1937	1985	Apr. 1, 2003

	Born	Elected	Deceased
128. Das, Prosad K.	May 20, 1926	1975	Jan. 14, 2011
129. Das Gupta, M.K.	Sep. 1, 1923	1990	Nov. 28, 2005
130. Das-Gupta, S.N.	Nov. 4, 1902	1935 [†]	Sep. 11, 1990
131. Dastur, J.F.	Sep. 10, 1886	1934 [†]	May 11, 1971
132. Datta, Asoke Gopal	Jan. 20, 1928	1979	Dec. 9, 2005
133. Datta, Bhaskar	July 1, 1949	1995	Dec. 3, 1999
134. David, Joy C.	May 3, 1927	1982	Apr. 20, 2004
135. Davis, T.A.	Feb. 9, 1923	1979	Nov. 10, 1989
136. de Mello, I.F.	May 17, 1887	1934*	Jan. 9, 1955
137. Deepak Kumar	Apr. 3, 1946	1987	Jan. 25, 2016
138. Deodikar, G.B.	Nov. 15, 1915	1974	Mar. 13, 1986
139. Desai, B.N.	July 3, 1901	1934 [†]	June 23, 1978
140. Desai, R.D.	May 4, 1897	1939	Nov. 16, 1991
141. Desai, S.V.	Jan 28, 1900	1935 [†]	1984
142. Deshpande, D.L.	Sep. 2, 1909	1945	Apr. 5, 1961
143. Desikachary, T.V.	Sep. 18, 1919	1957	Nov. 4, 2005
144. Devadatta, S.C.		1936	
145. Devaprabhakara, D.	Nov. 13, 1932	1976	Jan. 12, 1978
146. Dhar, M.L.	Oct. 29, 1914	1975	Jan. 20, 2002
147. Dhar, S.C.		1935 [†]	Oct. 30, 1947
148. Dharmatti, S.S.	May 8, 1911	1960	May 2, 1965
149. Dhawan, S.	Sep. 25, 1920	1970	Jan. 3, 2002
150. Divatia, A.S.	Feb. 17, 1927	1975	Jan. 7, 1993
151. Dixit, K.R.	Oct. 6, 1909	1939	Dec. 1977
152. Doraiswamy, L.K.	May 13, 1927	1974	June 2, 2012
153. Dorasami, L.S.		1947	
154. Doss, K.S.G.	Aug. 10, 1906	1935 [†]	Oct. 18, 1989
155. Dube, G.P.	May 1, 1914	1950	Jan. 17, 1973
156. Dutt, N.L.	1900	1935 [†]	Feb. 6, 1960
157. Dutt, S.	Dec. 13, 1898	1939	Dec. 17, 1992
158. Dutta, P.C.	Mar. 11, 1912	1975	June 13, 1983
159. Ekambaram, T.		1934*	
160. Forbes, S.G.		1937	
161. Foster, R.B.		1934 [†]	Oct. 15, 2004
162. Ganapathi, K.	Aug. 18, 1911	1951	
163. Ganapati, P.N.	July 15, 1910	1955	Jan. 5, 1984
164. Ganatra, R.D.	Oct. 14, 1928	1975	Apr. 2, 1999
165. Ganesan, A.S.	May 27, 1900	1934*	Jan. 2, 1986
166. Ganguly, A.K.	Nov. 1, 1918	1977	Jan. 17, 1988
167. Ganguly, P.	Jan. 20, 1942	1994	May 7, 2014
168. George, M.V.	Oct. 3, 1928	1973	Dec. 9, 2019
169. Ghatage, V.M.	Oct. 24, 1908	1945	Dec. 6, 1991
170. Ghatak, U.R.	Feb. 26, 1931	1976	June 18, 2005
171. Ghose, R.L.M.	July 1903	1952	1995
172. Ghose, S.L.	Dec. 13, 1893	1936	Mar. 24, 1945

	Born	Elected	Deceased
173. Ghosh, A.	Jan. 20, 1927	1982	Sep. 29, 2003
174. Ghosh, J.K.	May 22, 1937	1990	Sep. 30, 2017
175. Ghosh, P.N.	Feb. 11, 1884	1934*	Dec. 23, 1946
176. Ghosh, Subir Kumar	Mar. 1, 1932	1989	Oct. 30, 2008
177. Giri, K.V.	Feb. 10, 1907	1941	July 17, 1958
178. Gnanamuthu, C.P.	Apr. 29, 1901	1952	Mar. 18, 1969
179. Goel, Parmatma S.	July 6, 1930	1977	Aug. 9, 2004
180. Gogate, D.V.	Jan. 23, 1903	1942	Jan. 11, 1984
181. Gopal-Ayengar, A.R.	Jan. 1, 1909	1952,1965	Sep. 8, 1992
182. Gopala Rao, R.V.	Dec. 3, 1927	1977	Sep. 3, 2010
183. Gopalakrishna, A.	Oct. 20, 1922	1974	Sep. 20, 2008
184. Gopalan, C.	Nov. 29, 1918	1964	Oct. 3, 2019
185. Govinda Rao, N.S.	Feb. 6, 1907	1952	Dec. 22, 1995
186. Govindachari, T.R.	July 30, 1915	1951	Dec. 28, 2001
187. Govindaswamy, M.V.	Nov. 21, 1904	1947	Apr. 7, 1961
188. Gowariker, V.R.	Mar. 25, 1933	1985	Jan. 2, 2015
189. Grewal, Ripdaman Singh	Dec. 3, 1922	1975	Apr. 13, 2009
190. Guha, P.C.	Feb. 15, 1894	1936	Nov. 6, 1962
191. Guha-Mukherjee, S.	July 13, 1938	1988	Sep. 15, 2007
192. Gunjekar, K.R.	Mar. 8, 1894	1935 [†]	Feb. 11, 1990
193. Guptasarma, D.	July 16, 1932	1987	July 7, 2018
194. Hamied, K.A.	Oct. 31, 1898	1945	June 23, 1972
195. Hariharan, P.	Dec. 26, 1926	1972	July 26, 2015
196. Harish-Chandra	Oct. 11, 1923	1975	Oct. 16, 1983
197. Hasan, K.H.		1934 [†]	
198. Hattiangdi, G.S.	Dec. 15, 1921	1963	May 16, 2003
199. Hill, A.R. Berkeley	Dec. 22, 1879	1934*	Aug. 16, 1944
200. Howard, H.C.	Oct. 5, 1883	1934 [†]	
201. Huzurbazar, V.S.	Sep. 15, 1919	1961	Nov. 15, 1991
202. Ishaq, M.	Apr. 1, 1901	1941	Mar. 22, 1960
203. Iyengar, B.N.		1935 [†]	
204. Iyengar, K.R.K.		1934 [†]	July 20, 1947
205. Iyengar, K.S. Kuppuswamy	Aug. 29, 1899	1934 [†]	June 23, 1944
206. Iyengar, M.O. Parthasarathy	Dec. 15, 1886	1934*	Dec. 10, 1963
207. Iyengar, N.K.	July 29, 1910	1955	Nov. 29, 1970
208. Iyengar, P.K.	June 29, 1931	1969	Dec. 21, 2011
209. Iyer, K.S. Padmanabha		1934 [†]	
210. Iyer, L.K. Ananthakrishna	1861	1934*	Feb. 26, 1937
211. Iyer, M.P. Venkatarama	1902	1935 [†]	Apr. 27, 1936
212. Jacob, T.M.	June 6, 1927	1976	June 6, 2014
213. Jadhav, G.V.	Apr. 12, 1900	1953	Mar. 10, 1980
214. Jagannathan, V.	June 15, 1921	1974	Dec. 2, 2015
215. Jain, D.V.S.	June 16, 1933	1979	Oct. 6, 2019
216. Janaki Ammal, E.K.	Nov. 4, 1897	1935 [†] ,1953	Feb. 7, 1984
217. Jayaraman, N.	Feb. 12, 1911	1955	Mar. 13, 1971

	Born	Elected	Deceased
218. Jayaraman, R.	Oct. 10, 1937	1989	Apr. 14, 2019
219. Jhala, H.I.	Jan. 13, 1919	1968	Aug. 29, 1984
220. John, C.C.		1934 [†]	
221. Jones, S.	Aug. 27, 1910	1957	Feb. 26, 1999
222. Joshi, Atmaram Bhairav	Nov. 17, 1916	1975	July 3, 2010
223. Joshi, A.C.	Sep. 18, 1908	1936	Feb. 14, 1971
224. Joshi, B.S.	Dec. 28, 1924	1975	Nov. 2, 2017
225. Joshi, S.S.	Oct. 16, 1898	1934*	July 25, 1984
226. Jussawalla, D.J.	Apr. 13, 1915	1975	Jan. 29, 1999
227. Kadam, B.S.	Oct. 25, 1903	1945	July 24, 1985
228. Kalam, A.P.J. Abdul	Oct. 15, 1931	1984	July 27, 2015
229. Kalamkar, R.J.	Aug. 28, 1903	1936	May 24, 1974
230. Kalbag, S.S.	Oct. 23, 1928	1974	July 30, 2003
231. Kalyanasundaram, R.	Feb. 20, 1930	1969	Apr. 11, 1980
232. Kamesam, S.		1934*,1938	1953
233. Kane, G.P.	Mar. 2, 1911	1943	June 25, 1991
234. Kanga, D.D.	Nov. 25, 1879	1934 [†]	Jan. 1955
235. Kanungo, M.S.	Apr. 1, 1927	1975	July 26, 2011
236. Kapahi, V.K.	Jan. 21, 1944	1987	Mar. 16, 1999
237. Kapoor, Lachman Das	Sep. 27, 1916	1963	Apr. 16, 2002
238. Kappanna, A.N.	Aug. 3, 1900	1934 [†]	
239. Kapur, J.N.	Sep. 7, 1923	1965	Sep. 4, 2002
240. Kapur, R.L.	July 7, 1938	1977	Nov. 24, 2006
241. Kapur, S.N.	Aug. 20, 1895	1934 [†]	Jan. 10, 1972
242. Karandikar, K.R.	Mar. 17, 1902	1948	
243. Kartha, G.	Jan. 26, 1927	1974	June 18, 1984
244. Karve, D.D.	July 13, 1899	1943	July 5, 1980
245. Kashyap, S.R.	Nov. 6, 1882	1934	Nov. 26, 1934
246. Kaw, P.K.	Jan. 15, 1948	1974	June 18, 2017
247. Kedharnath, S.	Oct. 10, 1921	1984	Dec. 6, 2004
248. Kelkar, P.K.	June 1, 1909	1974	Oct. 23, 1990
249. Kempanna, C.	May 16, 1928	1978	Dec. 11, 2016
250. Khanna, K.L.		1936	Aug. 1, 1976
251. Khanolkar, V.R.	Apr. 13, 1895	1934*	Oct. 29, 1978
252. Khoshoo, T.N.	Apr. 7, 1927	1961	June 11, 2002
253. Kilpady, Sripadrao	Nov. 13, 1906	1953	Dec. 19, 2008
254. King, C.A.		1934 [†]	May 19, 1936
255. Kini, M.G.	Aug. 5, 1893	1941	Aug. 22, 1952
256. Kishore, K.	Dec. 31, 1942	1991	Mar. 2, 1999
257. Kondal Rao, N.	July 15, 1924	1975	Oct. 22, 2008
258. Kosambi, D.D.	July 31, 1907	1935 [†]	June 29, 1966
259. Koteswaram, P.	Mar. 25, 1915	1974	Jan. 11, 1997
260. Kothari, D.S.	July 6, 1906	1975	Feb. 4, 1993
261. Krishna, M.G.	July 18, 1922	1974	June 5, 1978
262. Krishna, Sri	July 6, 1896	1934 [†]	Oct. 3, 1984

	Born	Elected	Deceased
263. Krishna Rao, G.S.	Oct. 26, 1926	1987	Dec. 16, 2008
264. Krishna Rao, P.R.	July 25, 1906	1940	Nov. 7, 1985
265. Krishnamachari, S.L.N.G.	Sep. 20, 1928	1975	Feb. 6, 2012
266. Krishnamurthy, E.V.	June 18, 1934	1972	Oct. 26, 2012
267. Krishnamurti, D.	Mar. 30, 1929	1958	May 14, 2003
268. Krishnamurti, K.	Nov. 2, 1902	1934 [†]	Dec. 8, 1988
269. Krishnamurti, P.	Jan. 22, 1903	1934*	Mar. 14, 1966
270. Krishnamurthy, L.S.		1937	
271. Krishna Murti, C.R.	Mar. 3, 1923	1974	June 30, 1990
272. Krishna Murty, K.	Nov. 13, 1926	1981	May 10, 2001
273. Krishnan, K.S.	Dec. 4, 1898	1934*	June 14, 1961
274. Krishnan, K.V.	July 4, 1896	1934 [†]	Mar. 30, 1978
275. Krishnan, M.S.	Aug. 24, 1898	1934*	Apr. 24, 1970
276. Krishnan, R.S.	Sep. 23, 1911	1944	Oct. 2, 1999
277. Krishnaswami, K.R.	Aug. 14, 1898	1934*	June 28, 1964
278. Krishnaswami, S.	May 21, 1945	1986	July 20, 2015
279. Krishnaswamy, S.	Feb. 15, 1926	1961	Nov. 20, 1988
280. Kulkarni, B.D.	May 5, 1949	1988	Jan. 14, 2019
281. Kumar, L.S.S.	June 4, 1903	1940	Nov. 20, 1985
282. Kumar, N.	Feb. 1, 1940	1983	Aug. 28, 2017
283. Kumaraswamy, P.	Oct. 4, 1930	1972	Mar. 9, 1988
284. Kundu, Anjan	Jan. 24, 1953	2015	Dec. 31, 2016
285. Kundu, D.N.	Jan. 4, 1916	1975	Dec. 11, 1999
286. Kuriyan, K.I.	Oct. 4, 1903	1943	Aug. 16, 1972
287. Kutumbiah, P.	Nov. 22, 1892	1941	1976
288. Laddha, G.S.	Aug. 26, 1922	1974	Sep. 30, 2010
289. Lakhanpal, R.N.	Aug. 5, 1923	1976	Jan. 19, 2012
290. Lal, B.B.	Aug. 4, 1913	1948	June 2, 2000
291. Lal, Devendra	Feb. 14, 1929	1965	Dec. 1, 2012
292. Lal, M.B.	Jan. 31, 1907	1942	Dec. 5, 2002
293. Lal, R.K.	Oct. 14, 1936	1986	Oct. 19, 2014
294. Lal, Shankar	June 25, 1923	1974	Sep. 25, 1991
295. Lala, Anil Kumar	Jan. 13, 1950	1993	July 18, 2004
296. Lele, S.H.		1936	
297. Likhite, V.N.	1896	1936	Apr. 1, 1990
298. Luthar, I.S.	Mar. 31, 1932	1977	Dec. 7, 2006
299. Madhava, K.B.	Mar. 13, 1895	1934 [†]	Apr. 26, 1984
300. Madhavarao, B.S.	May 29, 1900	1936	June 10, 1987
301. Mahabale, T.S.	Oct. 19, 1909	1951	July 3, 1983
302. Mahadevan, C.	May 6, 1901	1934*	Apr. 8, 1962
303. Mahadevan, P.R.	May 20, 1928	1973	Apr. 27, 2003
304. Mahajani, G.S.	Nov. 27, 1898	1935 [†]	July 26, 1984
305. Mahalanobis, P.C.	June 29, 1893	1935 [†]	June 28, 1972
306. Mahendra, B.C.	1903	1938	1995
307. Maheshwari, P.	Nov. 9, 1904	1934 [†]	May 18, 1966

	Born	Elected	Deceased
308. Maheshwari, S.C.	Oct. 4, 1933	1975	June 12, 2019
309. Maitra, P.K.	Nov. 1, 1932	1975	Sep. 4, 2007
310. Maiya, B.G.	June 20, 1956	2001	Mar. 22, 2004
311. Majumdar, C.K.	Aug. 11, 1938	1976	June 20, 2000
312. Majumdar, G.P.	Feb. 18, 1894	1944	Nov. 21, 1959
313. Malhotra, D.R.	Oct. 4, 1899	1952	Nov. 1, 1983
314. Malhotra, P.K.	Apr. 20, 1935	1985	Mar. 7, 1992
315. Malhotra, S.L.	Dec. 5, 1919	1966	Sep. 10, 2004
316. Malurkar, S.L.	Aug. 15, 1903	1934 [†]	Apr. 26, 1984
317. Mani, Anna	Aug. 23, 1918	1960	Aug. 16, 2001
318. Mani, K.S.	Oct. 18, 1928	1974	Mar. 28, 2001
319. Manna, G.K.	Oct. 10, 1926	1978	Dec. 25, 2006
320. Manoharan, P.T.	June 12, 1935	1981	Mar. 6, 2019
321. Mata Prasad	Feb. 15, 1898	1934 [†]	Jan. 28, 1979
322. Mathai, G.	Nov. 13, 1887	1934 [†]	June 25, 1947
323. Mathur, H.B.	May 27, 1928	1975	Jan. 12, 1980
324. Mathur, K.K.	July 30, 1893	1934 [†]	July 18, 1936
325. Mehrotra, R.C.	Feb. 16, 1922	1974	July 11, 2004
326. Mehta, K.C.	June 20, 1892	1935 [†]	Apr. 8, 1950
327. Mehta, M.K.	July 24, 1927	1975	June 28, 2010
328. Mehta, S.M.	May 4, 1902	1952	Mar. 29, 1970
329. Mehta, V.B.	Aug. 15, 1946	1993	June 4, 2014
330. Menon, K.K.G.	Sep. 19, 1927	1975	Apr. 6, 2002
331. Menon, K.N.		1940	1969
332. Menon, M.G.K.	Aug. 28, 1928	1964	Nov. 22, 2016
333. Menon, P.K.	Sep. 4, 1917	1975	Oct. 22, 1979
334. Menon, T. Bhaskara		1941	
335. Menon, T. Radhakrishnan	Apr. 14, 1925	1963	May 29, 2001
336. Menon, V.K. Narayana		1941	
337. Merchant, J.R.	June 14, 1922	1964	Feb. 8, 2004
338. Metcalfe, E.P.	1881	1934*	1950
339. Mirza, N.B.		1935 [†]	
340. Mishra, R.S.	Aug. 10, 1918	1966	Aug. 23, 1999
341. Mitra, Ashesh Prasad	Feb. 21, 1927	1974	Sep. 3, 2007
342. Mitra, Sujit Kumar	Jan. 23, 1932	1990	Mar. 18, 2004
343. Moghe, M.A.	Apr. 21, 1896	1934 [†]	May 12, 1966
344. Mohan Ram, H.Y.	Sep. 24, 1930	1974	June 18, 2018
345. Mookherjee, A.	May 23, 1931	1990	Feb. 16, 2006
346. Moudgal, N.R.	Mar. 4, 1931	1975	May 8, 2011
347. Moudgill, K.L.		1934 [†]	
348. Mukherjee, A.S.	Oct. 1, 1935	1988	Nov. 15, 2004
349. Murthy, G.V.L.N.	Mar. 10, 1912	1944	1943
350. Murti, P.B.R.	Nov. 11, 1911	1945	Dec. 1990
351. Murty, B.R.	Apr. 4, 1928	1975	May 16, 2003
352. Murty, Y.S.	May 15, 1925	1979	Feb. 21, 1988

	Born	Elected	Deceased
353. Muthuswami, T.N.	June 20, 1898	1943	Dec. 10, 1980
354. Nabar, G.M.	July 2, 1904	1949	July 20, 1986
355. Nag, Biswajit	Aug. 20, 1933	1974	Feb. 6, 2000
356. Nag, Biswaranjan	Oct. 1, 1932	1984	Apr. 6, 2004
357. Nag, Subhashis	Aug. 14, 1955	1995	Dec. 22, 1998
358. Nag, B.D. Chaudhuri	Sep. 6, 1917	1974	June 25, 2006
359. Nagappa, Y.	Oct. 2, 1907	1951	Oct. 30, 1960
360. Nagaraju, J.	Nov. 6, 1954	2003	Dec. 31, 2012
361. Nagendra Nath, N.S.	May 10, 1912	1935 [†]	Sep. 2, 1979
362. Naha, K.	Jan. 2, 1932	1983	May 24, 1996
363. Nair, Kappiareth Gopal	July 2, 1931	1981	Mar. 12, 2010
364. Nair, Narayana Balakrishnan	July 6, 1927	1977	Apr. 21, 2010
365. Nair, U. Sivaraman	Jan. 22, 1904	1944	Aug. 8, 1982
366. Nakra, B.C.	Mar. 31, 1939	1995	Apr. 12, 2016
367. Nanda, K.K.	Jan. 1, 1918	1975	Dec. 13, 1983
368. Narasimham, N.A.	Aug. 15, 1922	1966	Apr. 8, 2002
369. Narasimhan, M.J.	July 1, 1891	1935 [†]	Sep. 24, 1970
370. Narasimhan, N.S.	Nov. 11, 1928	1983	Aug. 20, 2018
371. Narasimhan, P.T.	July 28, 1928	1971	May 3, 2013
372. Narasimhan, Rangaswamy	Apr. 17, 1926	1966	Sep. 2, 2007
373. Narayan, A.L.	1887	1934*	Mar. 7, 1973
374. Narayana, N.	June 27, 1902	1935 [†]	Mar. 16, 1976
375. Narayanamurti, D.	Sep. 11, 1904	1939	Mar. 9, 1975
376. Narayanan, C.R.	Dec. 17, 1916	1977	Jan. 15, 1993
377. Narayanan, E.S.	Feb. 15, 1904	1953	Feb. 23, 1991
378. Narayanan, P.S.	Jan. 1, 1926	1974	Oct. 23, 1994
379. Narayanaswamy, S.	Sep. 2, 1916	1974	May 13, 1997
380. Narendran, T.C.	Feb. 24, 1944	2000	Dec. 31, 2013
381. Narlikar, V.V.	Sep. 26, 1908	1935 [†]	Apr. 1, 1991
382. Nasipuri, Dhanonjoy	Apr. 1, 1925	1976	Dec. 28, 2009
383. Natarajan, C.V.	Apr. 26, 1899	1934*	Nov. 11, 1964
384. Natarajan, P.	Sep. 17, 1940	1987	Mar. 18, 2016
385. Natarajan, R.	July 9, 1930	1981	Dec. 2, 2003
386. Nayar, B.K.	Sep. 19, 1927	1975	May 12, 2012
387. Nayar, K.K.	June 12, 1920	1975	June 26, 1975
388. Nayudamma, Y.	Sep. 10, 1922	1963	June 23, 1985
389. Neelakantam, K.	Dec. 18, 1911	1940	Aug. 28, 1985
390. Newcomb, C.	1882	1935 [†]	
391. Nigam, Swami Dayal	May 7, 1924	1975	May 3, 2009
392. Nilakantan, P.	Apr. 19, 1910	1953	Apr. 18, 1964
393. Notani, N.K.	Jan. 21, 1930	1974	Apr. 18, 1994
394. Owen, M.		1934*	
395. Padayatty, J.D.	July 10, 1928	1986	Aug. 26, 2014
396. Padmanabhan, S.Y.	Sep. 11, 1916	1970	Jan. 29, 1985
397. Paintal, A.S.	Sep. 24, 1925	1986	Dec. 21, 2004

	Born	Elected	Deceased
398. Pal, B.P.	May 26, 1906	1941,1975	Sep. 14, 1989
399. Pal, Manoj K.	Oct. 26, 1932	1974	Mar. 3, 2016
400. Pal, Yash	Nov. 26, 1926	1967	July 24, 2017
401. Palacios, G.	Nov. 20, 1894	1934 [†]	Apr. 3, 1967
402. Palit, S.R.	Mar. 24, 1912	1974	Sep. 13, 1981
403. Pancharatnam, S.	Feb. 9, 1934	1959	May 28, 1969
404. Pandalai, K.A.V.	Feb. 16, 1928	1974	May 20, 1999
405. Pandit, L.K.	June 28, 1932	1976	May 23, 2006
406. Pandit, S.R.	1893	1934 [†]	Dec. 23, 1977
407. Pandita, P.N.	Jan. 1, 1949	2005	June 12, 2019
408. Pandya, K.C.	Aug. 24, 1886	1934 [†]	Oct. 14, 1958
409. Pandya, S.P.	Sep. 11, 1928	1974	June 30, 2019
410. Panikkar, N.K.	May 17, 1913	1945	June 24, 1977
411. Panse, V.G.	Jan. 11, 1906	1947	July 22, 1969
412. Pant, Devi Datt	Aug. 14, 1919	1970	June 11, 2008
413. Pant, Divya Darshan	Oct. 18, 1919	1968	May 9, 2001
414. Paramasivan, S.	1903	1939	May 15, 1987
415. Parameswaran, H.	Feb. 15, 1897	1934*	Mar. 25, 1953
416. Paranjpe, G.R.	Jan. 30, 1891	1934 [†]	Mar. 7, 1981
417. Parija, P.	Apr. 1, 1891	1935 [†]	June 2, 1978
418. Patel, A.R.	May 12, 1917	1975	Dec. 3, 2000
419. Patel, C.C.	Mar. 17, 1920	1975	Dec. 15, 1987
420. Patel, J.C.	Aug. 2, 1908	1956	May 11, 2003
421. Patel, J.S.	Dec. 11, 1905	1934 [†]	Apr. 20, 1992
422. Patel, M.K.	Nov. 6, 1899	1948	
423. Patodi, V.K.	Mar. 12, 1945	1975	Dec. 21, 1976
424. Paul, R.C.	Oct. 20, 1919	1974	Feb. 16, 2002
425. Peacock, D.H.	Dec. 1889	1934 [†]	
426. Peters, B.	Dec. 22, 1910	1954	Feb. 2, 1993
427. Pichamuthu, C.S.	Mar. 10, 1900	1941	Aug. 18, 1990
428. Pisharoty, P.R.	Feb. 10, 1909	1957	Sep. 24, 2002
429. Porsezian, K.	June 5, 1963	2012	Aug. 11, 2018
430. Pradhan, S.K.	Sep. 6, 1929	1986	May 23, 2002
431. Prasad, M.R.N.	May 1, 1923	1975	Oct. 7, 1987
432. Prasad, R. Raghu	Dec. 17, 1920	1958	July 20, 1994
433. Puntambekar, S.V.	July 17, 1898	1948	May 6, 1969
434. Puri, G.S.	Aug. 18, 1915	1960	Apr. 18, 1995
435. Puri, V.	Dec. 10, 1909	1945	Oct. 9, 2002
436. Qasim, S.Z.	Dec. 31, 1926	1976	Oct. 20, 2015
437. Racine, C.J.	July 22, 1897	1975	July 8, 1976
438. Radhakrishna, B.P.	Apr. 30, 1918	1956	Jan. 26, 2012
439. Radhakrishnan, A.N.	May 17, 1927	1974	June 17, 1990
440. Radhakrishnan, V.	May 18, 1929	1968	Mar. 3, 2011
441. Raghavan, S.	Apr. 11, 1934	1975	Oct. 7, 2014
442. Raghavan, T.S.	Sep. 29, 1905	1939	Jan. 30, 1986

	Born	Elected	Deceased
443. Raj, Mahindra	Feb. 15, 1925	1974	Feb. 16, 1995
444. Raja Gopal, E.S.	May 12, 1936	1974	Nov. 15, 2018
445. Rajagopal, C.T.	Sep. 8, 1903	1975	Apr. 25, 1978
446. Rajasekarasetty, M.R.	Oct. 16, 1919	1975	July 3, 1982
447. Ram, Behari	Apr. 25, 1897	1940	Dec. 14, 1981
448. Rama Das, V.S.	Feb. 5, 1933	1975	Dec. 9, 2010
449. Rama Rao, L.	Mar. 23, 1896	1934*	Nov. 11, 1974
450. Rama Swamy, S.	Sep. 23, 1907	1935 [†]	Mar. 30, 1984
451. Ramachandra, K.	Aug. 18, 1933	1975	Jan. 17, 2011
452. Ramachandra Rao, B.	Nov. 21, 1922	1974	Sep. 24, 2005
453. Ramachandra Row, L.	Dec. 14, 1916	1974	Sep. 22, 1991
454. Ramachandran, Arcot	Apr. 6, 1923	1974	May 17, 2018
455. Ramachandran, G.N.	Oct. 8, 1922	1950	Apr. 7, 2001
456. Ramachandran, L.K.	Mar. 28, 1928	1974	Aug. 11, 1988
457. Ramakrishna, B.S.	Oct. 17, 1921	1975	Feb. 12, 2011
458. Ramakrishnan, Alladi	Aug. 9, 1923	1955	June 8, 2008
459. Ramakrishnan, C.	Jan. 30, 1939	1990	Mar. 13, 2019
460. Ramakrishnan, K.	Nov. 22, 1920	1970	Mar. 26, 1978
461. Ramakrishnan, T.	Mar. 14, 1922	1974	Feb. 15, 2008
462. Ramakrishnan, T.S.	Aug. 25, 1899	1949	Dec. 2, 1971
463. Ramalingaswami, V.	Aug. 8, 1921	1974	May 28, 2001
464. Ramamurthi, B.	Jan. 30, 1922	1972	Dec. 13, 2003
465. Ramamurti, V.	Sep. 18, 1938	2010	Nov. 19, 2016
466. Raman, C.V.	Nov. 7, 1888	1934*	Nov. 21, 1970
467. Ramanathan, A.	Aug. 29, 1946	1991	Mar. 12, 1993
468. Ramanathan, Kalpathy G.	Mar. 1, 1923	1956	Aug. 20, 2003
469. Ramanathan, Kalpathy R.	Feb. 28, 1893	1934*	Dec. 31, 1984
470. Ramanathan, Kollagunta G.	Nov. 13, 1920	1974	May 10, 1992
471. Ramanathan, Kumbakonam V.	July 17, 1926	1975	Mar. 8, 2007
472. Ramanna, Raja	Jan. 28, 1925	1966	Sep. 24, 2004
473. Ramanujam, C.P.	Jan. 9, 1938	1974	Oct. 27, 1974
474. Ramanujam, S.	Oct. 2, 1903	1941	June 9, 1979
475. Ramanujan, S.G.M.	Aug. 26, 1893	1934*	May 1982
476. Ramaseshan, S.	Oct. 10, 1923	1955	Dec. 29, 2003
477. Ramaswamy, C.	Aug. 20, 1907	1939	Aug. 17, 1991
478. Ramaswamy, E.K.	Feb. 12, 1894	1939	Apr. 22, 1979
479. Ramaswamy, G.S.	Oct. 3, 1923	1974	Mar. 9, 2002
480. Ramaswamy, K.L.		1944	
481. Ramaswamy, M.K.	Jan. 4, 1931	1963	Jan. 1, 2020
482. Ramaswamy, M.N.	Nov. 26, 1905	1936	Jan. 27, 1966
483. Ramaswamy, V.		1944	
484. Ramdas, L.A.	June 3, 1900	1934*	Jan. 1, 1979
485. Ramesh, R.	June 2, 1956	2001	Apr. 2, 2018
486. Ramiah, K.	Apr. 15, 1882	1934*	Aug. 2, 1988
487. Ramiah, P.V.		1935 [†]	

	Born	Elected	Deceased
488. Rana, K.N.J.B.		1943	
489. Randhawa, M.S.	Feb. 2, 1909	1937	Mar. 3, 1986
490. Ranganathan, Darshan	June 4, 1941	1991	June 4, 2001
491. Ranganathan, Subramania	Feb. 2, 1934	1975	Jan. 8, 2016
492. Ranganathan, Sundarappa		1935 [†]	
493. Rangarajan, S.K.	Sep. 9, 1932	1974	Apr. 29, 2008
494. Rangaswami, G.	May 10, 1925	1960	Sep. 7, 2005
495. Rangaswami, S.	June 15, 1912	1943	Nov. 24, 2000
496. Rao, A. Nagaraja	Nov. 15, 1906	1935 [†]	
497. Rao, A. Narasinga	Dec. 12, 1893	1934 [†]	July 2, 1967
498. Rao, A. Sambasiva	Sep. 20, 1914	1974	Oct. 31, 2003
499. Rao, B. Rama	Nov. 20, 1891	1935 [†]	Feb. 15, 1970
500. Rao, B.K. Narayana		1934 [*]	
501. Rao, B.N. Balakrishna	Jan. 21, 1910	1945	Mar. 7, 1995
502. Rao, Basrur Sanjiva	Feb. 23, 1895	1934 [*]	Mar. 3, 1975
503. Rao, Bijoor Sanjiva	Feb. 23, 1896	1936	
504. Rao, C.R. Narayana	Aug. 15, 1882	1934 [*]	Jan. 2, 1960
505. Rao, C.V. Hanumantha	Oct. 29, 1892	1934 [†]	Sep. 2, 1947
506. Rao, D.M.	July 4, 1932	1974	Dec. 29, 2010
507. Rao, H. Srinivasa	July 16, 1894	1934 [†]	July 14, 1971
508. Rao, K. Ananda	Sep. 21, 1893	1934 [†]	Jan. 22, 1966
509. Rao, K. Nagabhushana	Sep. 13, 1913	1961	Jan. 1, 1991
510. Rao, K. Pampapathi	Mar. 9, 1930	1971	June 23, 1973
511. Rao, K. Rangadhama	1898	1935 [†] , 1957	1970
512. Rao, K. Raghavendra	May 7, 1936	1986	Dec. 2, 2008
513. Rao, K.A. Narain		1936	
514. Rao, L. Narayana		1944	1973
515. Rao, M.A. Narayana		1939	
516. Rao, M.B. Ramachandra	Aug. 5, 1906	1957	Sep. 4, 1992
517. Rao, M.R. Aswathanarayana	Nov. 7, 1910	1956	May 24, 1992
518. Rao, M.R. Raghavendra	May 25, 1924	1978	June 9, 1992
519. Rao, M.V. Radhakrishna	Nov. 1, 1903	1950	Oct. 26, 1971
520. Rao, N.V. Subba	Nov. 8, 1916	1958	1976
521. Rao, P. Krishna	June 15, 1899	1939	May 20, 1978
522. Rao, P. Ramachandra	Mar. 20, 1942	1985	Jan. 10, 2010
523. Rao, P. Suryaprakasa	Sep. 1, 1914	1943	Jan. 9, 2002
524. Rao, S. Raghavender		1952	1954
525. Rao, S. Ramachandra	May 15, 1899	1934 [*]	Feb. 28, 1983
526. Rao, S. Subba	June 18, 1883	1934 [*]	Jan. 2, 1955
527. Rao, S.N. Gundu	Nov. 26, 1909	1955	Sep. 7, 1985
528. Rao, S.S. Moorthy	1899	1940	1983
529. Rao, U.R.	Mar. 10, 1932	1969	July 24, 2017
530. Rao, V. Prabhaker	Aug. 22, 1910	1959	Dec. 19, 1983
531. Rao, V.S.R.	Feb. 1, 1931	1974	Sep. 26, 2013
532. Rao, Y. Ramachandra	Sep. 11, 1885	1935 [†]	June 1, 1972

	Born	Elected	Deceased
533. Rastogi, R.G.	Dec. 26, 1929	1974	July 10, 2018
534. Rastogi, R.P.	June 4, 1926	1975	Apr. 8, 2018
535. Rau, A. Subba	Feb. 1890	1936	
536. Rau, M.A. Govinda	Aug. 26, 1901	1934*	Nov. 19, 1954
537. Raychaudhuri, Amal Kumar	Nov. 1, 1923	1982	June 18, 2005
538. Raymond, J.E.G.	Apr. 6, 1915	1967	Aug. 30, 1979
539. Reddy, A.K.N.	Oct. 21, 1930	1974	May 7, 2006
540. Reddy, C.R.R.M.	Jan. 16, 1929	1980	Dec. 12, 2012
541. Rindani, T.H.	Apr. 17, 1917	1960	Oct. 24, 2012
542. Rode, K.P.	Nov. 8, 1903	1944	Dec. 2, 1985
543. Rodrigues, Veronica F	Mar. 31, 1953	1995	Nov. 10, 2010
544. Rodriguez, Placid	Oct. 5, 1940	1993	Aug. 31, 2008
545. Row, R.	Nov. 16, 1871	1934*	Nov. 14, 1953
546. Roy, D.P.	July 29, 1941	1987	Mar. 17, 2017
547. Roy, P.R.	July 21, 1936	1983	Apr. 21, 1991
548. Roy, S.C.	Mar. 1, 1899	1936	Dec. 9, 1970
549. Roy, S.K.	Jan. 1, 1895	1934 [†]	July 16, 1959
550. Roy, T.K.	Aug. 1, 1923	1974	Aug. 4, 2019
551. Roy, Supriya	June 1, 1931	1986	Aug. 22, 2013
552. Roy Chaudhury, S.N.	Mar. 2, 1923	1974	May 18, 2016
553. Royds, T.	Apr. 11, 1884	1934 [†]	May 1, 1955
554. Rudra, J.J.		1934*	
555. Rudraiah, N.	Aug. 10, 1932	1976	Sep. 19, 2019
556. Sabnis, T.S.		1935 [†]	1958
557. Sachdev, P.L.	Jan. 6, 1937	1984	Feb. 14, 2009
558. Sadasivan, T.S.	May 22, 1913	1945	Aug. 18, 2001
559. Sadhale, P.P.	June 16, 1960	2009	Jan. 20, 2012
560. Saha, A.K.	May 25, 1925	1975	Apr. 27, 1997
561. Sahasrabuddhe, D.L.	Sep. 1, 1880	1934 [†]	1953
562. Sahni, J.C.		1938	1954
563. Sahni, Birbal	Nov. 14, 1891	1934 [†]	Apr. 10, 1949
564. Sahni, M.R.	Mar. 1, 1899	1934 [†]	Jan. 13, 1983
565. Sahni, R.R.	Apr. 5, 1863	1934 [†]	1948
566. Salaskar, V.H.	Apr. 6, 1912	1974	Sep. 8, 1997
567. Saldanha, C.J.	Dec. 27, 1926	1980	Apr. 7, 2002
568. Sampathkumaran, M.A.	July 15, 1882	1934*	Dec. 15, 1944
569. Samuel, G.	May 26, 1898	1942	1975
570. Samuel, R.		1934*	
571. Sankaran, C.		1940	
572. Santappa, Mushi	Oct. 2, 1923	1961	Feb. 26, 2017
573. Santhanam, V.	July 31, 1925	1974	June 5, 2019
574. Sanyal, Suhas C.	Jan. 1, 1942	1992	Aug. 5, 2015
575. Sarabhai, Anand	Apr. 3, 1938	1981	Feb. 2, 2013
576. Sarabhai, Vikram A.	Aug. 12, 1919	1945	Dec. 31, 1971
577. Sarkar, S.N.	Apr. 22, 1920	1978	Sep. 10, 2004

	Born	Elected	Deceased
578. Sarma, I.G.	Sep. 21, 1936	1974	Sep. 10, 1996
579. Sarma, N.V.G.	Sep. 16, 1932	1989	Dec. 5, 2008
580. Sarma, P.S.	Oct. 29, 1917	1952	Sep. 8, 1970
581. Sarma, V.V.S.	May 7, 1944	1989	Jan. 13, 2018
582. Sastri, B.N.		1934*	
583. Sastry, S.G.	Nov. 1899	1934*	Sep. 22, 1955
584. Satya Murthy, N.S.	Feb. 5, 1936	1975	Oct. 8, 1984
585. Satya Nand, D.	Nov. 1, 1906	1964	Jan. 28, 1978
586. Satya Prakash	Aug. 24, 1905	1939	Jan. 18, 1995
587. Savoor, Sadashiva R.	May 8, 1901	1954	1981
588. Savur, Srinivasa R.	Mar. 26, 1894	1934*	May 4, 1974
589. Sawhney, K.	June 4, 1896	1935 [†]	1958
590. Sen, P.K.	Dec. 7, 1915	1958	July 22, 1982
591. Sen-Sarma, P.K.	Apr. 1, 1929	1984	July 29, 2002
592. Seshachar, B.R.	Jan. 9, 1908	1953	Jan. 25, 1994
593. Seshadri, S.N.	Mar. 15, 1937	1978	Feb. 2, 1986
594. Seshadri, T.N.	June 15, 1905	1954	Nov. 1, 1975
595. Seshadri, T.R.	Feb. 3, 1900	1934*	Sep. 27, 1975
596. Seshagiri, N.	May 10, 1940	1974	May 26, 2013
597. Seshaiya, R.V.	Feb. 8, 1898	1948	Feb. 28, 1973
598. Seth, B.R.	Aug. 27, 1907	1936	Dec. 12, 1979
599. Seth, J.B.	1893	1935 [†]	Feb. 1964
600. Sethi, N.K.	July 8, 1893	1935 [†]	Nov. 8, 1969
601. Sethi, Pramod Karan	Nov. 28, 1927	1989	Jan. 6, 2008
602. Sethna, H.N.	Aug. 24, 1923	1968	Sep. 5, 2010
603. Shabde, N.G.	Apr. 12, 1906	1942	1961
604. Shah, M.S.		1934 [†]	
605. Shah, N.M.		1934 [†]	
606. Shah, R.C.	Oct. 7, 1899	1934 [†]	Sep. 3, 1969
607. Shah, S.M.	Dec. 30, 1905	1951	Apr. 21, 1996
608. Shankar, Jagdish	Oct. 3, 1912	1975	Jan. 31, 1992
609. Shankar, P.N.	Aug. 13, 1944	1992	Apr. 15, 2019
610. Shanmugam, G.	Dec. 18, 1938	1991	Apr. 15, 2015
611. Sharma, Archana	Feb. 16, 1932	1977	Jan. 14, 2008
612. Sharma, Arun K.	Dec. 31, 1924	1975	July 6, 2017
613. Sharma, K.N.	Nov. 17, 1929	1972	June 21, 2015
614. Sharma, N.L.	Nov. 12, 1901	1937	Jan. 14, 1988
615. Sharma, Ram Prakash	Jan. 5, 1939	1987	Jan. 30, 2019
616. Sharma, Vijay K.	Sep. 29, 1967	2012	Oct. 24, 2016
617. Sharma, Vinod P.	Apr. 6, 1938	1998	Oct. 9, 2015
618. Shastri, N.A.	June 1, 1904	1942	Jan. 2, 1995
619. Shastri, T.P. Bhaskara	Apr. 12, 1889	1934*	June 26, 1950
620. Sheth, A.R.	Aug. 5, 1933	1988	Mar. 13, 1994
621. Sheth, S.C.	Oct. 29, 1912	1965	Jan. 25, 1990
622. Shri Ranjan	Aug. 16, 1899	1935 [†]	July 8, 1969

	Born	Elected	Deceased
623. Sibaiya, L.		1935 [†]	
624. Siddiqi, M.R.	Jan. 2, 1908	1934*	Jan. 2, 1998
625. Siddiqi, O.	Jan. 7, 1932	1968	July 26, 2013
626. Siddiqi, S.	Oct. 19, 1897	1935 [†]	Apr. 14, 1994
627. Sikka, D.R.	Mar. 1, 1932	1984	Mar. 18, 2017
628. Singh, B.K.	Apr. 17, 1886	1934*	June 15, 1960
629. Singh, B.N.	Sep. 22, 1898	1934 [†]	June 7, 1984
630. Singh, Digvijai	Dec. 11, 1934	1981	July 20, 2018
631. Singh, Inderjit	Aug. 20, 1909	1944	June 5, 1972
632. Singh, Lalji	July 5, 1947	1989	Dec. 10, 2017
633. Singh, Udai Narain	Jan. 1, 1931	1975	Dec. 31, 2006
634. Sinha, S.K.	July 18, 1934	1983	Mar. 17, 2002
635. Sirsat, S.M.	Oct. 7, 1925	1975	July 10, 2010
636. Sivan, M.R.R.		1934 [†]	
637. SivaRaman, C.	Dec. 2, 1923	1977	June 25, 2014
638. Sokhey, S.S.	Dec. 15, 1887	1934 [†]	Oct. 23, 1971
639. Somayajulu, B.L.K.	Mar. 5, 1937	1980	Dec. 19, 2016
640. Sreekantan, B.V.	June 30, 1925	1965	Oct. 27, 2019
641. Sreenivasaiah, B.N.	July 24, 1904	1939	Feb. 16, 1987
642. Sreenivasan, A.	July 13, 1909	1950	July 20, 1996
643. Sreenivasan, K.	July 10, 1899	1944	Aug. 17, 1992
644. Sreenivasaya, M.	Dec. 5, 1895	1934*	Jan. 16, 1969
645. Sri Niwas	July 4, 1946	1995	Nov. 15, 2012
646. Srikantiah, C.		1936	
647. Srikrishna, A.	Jan. 1, 1955	1994	Jan. 20, 2013
648. Srinath, L.S.	Mar. 15, 1927	1974	Sep. 13, 2012
649. Srinivasaiengar, C.N.	Feb. 21, 1901	1939	Sep. 21, 1972
650. Srinivasan, Ramachandran	July 5, 1933	1968	Sep. 19, 2004
651. Srinivasan, Ramanujam	Apr. 21, 1938	1979	Sep. 10, 1984
652. Srinivasan, S.K.	Dec. 16, 1930	1977	Oct. 25, 2006
653. Srinivasan, V.		1934 [†]	July 29, 1976
654. Sriramachari, S S	June 25, 1925	1967	Dec. 25, 2009
655. Subba Rao, B.C.	Dec. 8, 1923	1975	Aug. 9, 2017
656. Subba Rao, G.V.	Dec. 12, 1940	1988	Dec. 24, 2017
657. Subbaramiah, K.		1939	1944
658. Subbaraya, T.S.	Oct. 10, 1905	1935 [†]	Apr. 10, 1975
659. Subrahmanyam, N.C.	Oct. 5, 1943	1995	Feb. 14, 2019
660. Subramaniam, A.P.	Mar. 7, 1921	1961	Apr. 22, 1973
661. Subramaniam, M.K.	Apr. 20, 1909	1951	1974
662. Subramanian, C.V.	Aug. 11, 1924	1955	Feb. 5, 2016
663. Subramanian, T.S.	Sep. 24, 1911	1948	Sep. 19, 1987
664. Subramanyam, K.	Nov. 1, 1915	1959	Apr. 17, 1980
665. Subramanyam, S.V.	Sep. 3, 1943	1991	Aug. 1, 2015
666. Subrahmanyam, R.	1919	1956	Mar. 5, 2006
667. Subrahmanyam, V.	Sep. 16, 1902	1934*	Jan. 30, 1979

	Born	Elected	Deceased
668. Sudarshan, E.C.G.	Sep. 16, 1931	1963	May 14, 2018
669. Sukhatme, P.V.	July 27, 1911	1939	Jan. 28, 1997
670. Sundara Raj, B.	1888	1956	Jan. 22, 1974
671. Sundaram, A.K.	May 10, 1925	1965	Jan. 27, 1994
672. Sundaram, C.V.	Nov. 7, 1929	1974	Aug. 15, 2008
673. Sundaram, K.	Nov. 12, 1926	1974	May 20, 2008
674. Surange, K.R.	Feb. 7, 1920	1975	Jan. 6, 2010
675. Surjit Singh	June 12, 1940	1986	Sep. 6, 1997
676. Suryanarayanan, S.	Jan. 23, 1927	1971	Jan. 27, 1994
677. Tamhankar, R.V.	July 28, 1917	1975	June 16, 1993
678. Tandon, R.N.	Nov. 27, 1903	1958	Dec. 18, 1999
679. Tawde, N.R.	Jan. 15, 1898	1934 [†]	Dec. 25, 1984
680. Taylor, E.M.	1889	1934 [†]	
681. Taylor, H.J.	May 18, 1906	1937	May 27, 1996
682. Telang, A.V.		1934*	1965
683. Thacker, M.S.	Dec. 3, 1904	1949	July 6, 1979
684. Thakur, R.S.		1939	
685. Thapar, G.S.	Nov. 15, 1893	1934 [†]	Nov. 1984
686. Thathachar, M.A.L.	May 20, 1939	1987	Jan. 7, 2017
687. Thind, K.S.	Oct. 30, 1917	1960	Dec. 3, 1991
688. Thomas, Joseph	Mar. 20, 1935	1975	Jan. 30, 2008
689. Thosar, B.V.	Apr. 3, 1913	1959	July 4, 1998
690. Tilak, B.D.	Sep. 28, 1918	1952	May 25, 1999
691. Tirumurti, T.S.	Nov. 18, 1885	1934*	Aug. 26, 1953
692. Trehan, S.K.	Apr. 4, 1931	1978	Sep. 9, 2004
693. Udgaonkar, B.M.	Sep. 14, 1927	1969	Dec. 21, 2014
694. Uppal, B.N.	June 28, 1900	1940	Nov. 22, 1989
695. Vaidhianathan, V.I.	Aug. 28, 1897	1934*	1965
696. Vaidya, P.C.	Mar. 23, 1918	1975	Mar. 12, 2010
697. Vaidyanathan, C.S.	Nov. 14, 1931	1978	Sep. 1, 1999
698. Vaidyanathan, M.		1935 [†]	
699. Vaidyanathaswamy, R.	Oct. 9, 1894	1934*	Mar. 17, 1960
700. Vakil, Kapilram	May 28, 1884	1934 [†]	Jan. 28, 1946
701. Vakil, R.J.	July 17, 1911	1943	Nov. 20, 1974
702. Valluri, S.R.	June 25, 1924	1971	Jan. 23, 2019
703. Vardya, M.S.	Feb 22, 1933	1972	Jan. 20, 2013
704. Varghese, T.G.	Aug. 19, 1928	1974	Nov. 14, 1977
705. Varma, R.K.	Mar. 31, 1935	1977	May 14, 2014
706. Varma, R.M.	Sep. 7, 1922	1970	Mar. 10, 2015
707. Varma, R.S.	Feb. 1, 1905	1947	Mar. 31, 1970
708. Vazifdar, S.S.		1934*	
709. Varadachari, V.V.R.	July 1, 1925	1974	Aug. 4, 2007
710. Varadarajan, M.G.	Nov. 9, 1917	1974	Oct. 5, 2004
711. Venkataraman, B.	Dec. 17, 1929	1975	Oct. 28, 2010
712. Venkataraman, G.S.	Feb. 1, 1930	1974	Oct. 3, 1998

	Born	Elected	Deceased
713. Venkataraman, K.	June 7, 1901	1934 [†]	May 12, 1981
714. Venkataraman, M.	Dec. 31, 1923	1975	Nov. 18, 1990
715. Venkataraman, T.S.	June 15, 1884	1934 [†]	Jan. 18, 1963
716. Venkataraman, T.V.	1910	1957	Nov. 30, 1981
717. Venkatarayudu, T.	Oct. 10, 1910	1940	Nov. 29, 1979
718. Venkatasubramanian, V.S.	June 20, 1930	1978	July 22, 1984
719. Venkatesachar, B.	June 18, 1879	1934*	May 27, 1972
720. Venkatesan, K.	Apr. 29, 1932	1981	Dec. 31, 2019
721. Venkateswaran, C.S.	1904	1944	1978
722. Venkateswaran, R.		1935 [†]	
723. Venkateswaran, S.		1934 [†]	Mar. 12, 1971
724. Venkateswarlu, J.	Mar. 21, 1912	1953	May 20, 1978
725. Venkateswarlu, K.	June 3, 1916	1958	July 2, 2005
726. Venkateswarlu, P.	Oct. 25, 1921	1957	Aug. 8, 1997
727. Venkiteshwaran, S.P.	Feb. 15, 1905	1939	Sep. 26, 1985
728. Venkoba Rao, A.	Aug. 20, 1927	1984	Oct. 25, 2005
729. Verma, Ajit Ram	Sep. 20, 1921	1974	Mar. 4, 2009
730. Vijayaraghavacharya, T.	Aug. 1875	1934*, 1943	1953
731. Vijayaraghavan, T.	Nov. 30, 1902	1934*	Apr. 20, 1955
732. Vishveshwara, C V	Mar. 6, 1938	1977	Jan. 16, 2017
733. Visvesvaraya, M.	Sep. 15, 1861	1934*	Apr. 14, 1962
734. Viswa Nath, B.	Jan. 1, 1889	1934*	Feb. 1, 1964
735. Viswamitra, M.A.	Nov. 14, 1932	1979	Apr. 10, 2001
736. Viswanathan, D.K.	Mar. 1, 1901	1951	Mar. 27, 1960
737. Viswanathan, K.S.	June 9, 1929	1956	July 5, 2009
738. Wadia, D.N.	Oct. 23, 1883	1935 [†]	June 15, 1969
739. Wadia, N.H.	Jan. 20, 1925	1983	Apr. 10, 2016
740. Wheeler, T.S.	Apr. 30, 1899	1934*	Dec. 13, 1962
741. Wolf, Ludwig		1934 [†]	
742. Yadava, S.L.	July 5, 1953	1999	June 7, 2007

HONORARY FELLOWS DECEASED SINCE 1934

(Year of election in brackets)

1. Alfven, H.O.G. (1972)
2. Anderson, B.W. (1964)
3. Anderson, J.S. (1978)
4. Bawden, F.C. (1972)
5. Belfanti, S. (1935)
6. Benzer, S. (1988)
7. Bjerknes, Jacob (1959)
8. Bjerknes, V. (1947)
9. Blackett, P.M.S. (1949)
10. Bloembergen, Nicolaas (1978)
11. Blumberg, B.S. (1987)
12. Bohr, Niels (1935)
13. Bolton, J.G. (1973)
14. Bondi, Hermann (1997)
15. Bonino, G.B. (1958)
16. Bonner, J.T. (1992)
17. Born, Max (1937)
18. Bose, S.N. (1973)
19. Bovet, Daniel (1967)
20. Bowen, Ira S. (1956)
21. Bowen, N.L. (1935)
22. Bragg, William H. (1935)
23. Brenner, Sydney (1989)
24. Bridgman, P.W. (1952)
25. Brillouin, Leon (1939)
26. Broglie, L. de (1951)
27. Brown, R. Hanbury (1975)
28. Brumpton, Emile (1936)
29. Bünning, E. (1986)
30. Cabannes, Jean (1949)
31. Caspersson, T.O. (1963)
32. Chakraborty, Ranajit (2006)
33. Chapman, S. (1947)
34. Charney, J.G. (1980)
35. Cockcroft, John (1962)
36. Compton, A.H. (1935)
37. Cotton, A. (1935)
38. Cotton, Frank A. (1985)
39. Cousteau, J.Y. (1978)
40. Crick, Francis (1985)
41. Cushing, Harvey (1935)
42. Dale, Henry (1937)
43. Daly, R.A. (1952)
44. Dam, Henrik (1965)
45. Debye, Peter (1938)
46. Dirac, P.A.M. (1935)
47. Dodson, G. G. (2003)
48. Domagk, Gerhard (1965)
49. Donnan, F.G. (1938)
50. Eccles, John (1968)
51. Einstein, Albert (1936)
52. Engstrom, Arne (1970)
53. Euler-Chelpin, H. von (1952)
54. Fermi, Enrico (1935)
55. Fisher, Hans (1935)
56. Forssmann, Werner (1967)
57. Frank, Charles (1984)
58. Frey-Wyssling, A. (1960)
59. Garrett, S.D. (1973)
60. Ginzburg, V. Lasazevich (1977)
61. Granit, R.A. (1964)
62. Hadamard, Jacques (1939)
63. Haddon, A.C. (1936)
64. Hahn, Otto (1958)
65. Halle, T.G. (1947)
66. Hardy, G.H. (1935)
67. Haworth, W.N. (1948)
68. Heisenberg, Werner (1935)
69. Herzberg, Gerhard (1955)
70. Hess, W.R. (1966)
71. Hevesy, G. (1951)
72. Heymaans, C. (1966)
73. Heyrovsky, Jaroslav (1959)
74. Hill, A.V. (1935)
75. Hodgkin, Alan (1975)
76. Hodgkin, Dorothy (1972)
77. Hopkins, F. Gowland (1935)
78. Houssay, Bernardo A. (1963)
79. Imry, Yoseph (2007)
80. Joffe, A.F. (1959)
81. Joliot-Curie, Irene (1935)
82. Kahn, Olivier (1999)
83. Kapitza, Peter (1948)
84. Karman, Theodore von (1961)
85. Karrer, P. (1947)
86. Kastler, Alfred (1970)

87. Khorana, Har Gobind (1976)
88. Kock, Winston, E. (1970)
89. Kohlrausch, K.W.F. (1939)
90. Krebs, H.A. (1969)
91. Krogh, A. (1947)
92. Langmuir, Irving (1937)
93. Laue, Max von (1954)
94. Lawrence, E.O. (1954)
95. Leiper, R.T. (1938)
96. Levi-Civita, Tullio (1938)
97. Lewis, G.N. (1935)
98. Liepmann, H. Wolfgang (1985)
99. Lorenz, E.N. (1981)
100. Lundsgaard, Einar (1966)
101. Lwoff, Andre (1969)
102. Lynen, F. (1968)
103. Mark, H.F. (1949)
104. Mecke, Reinhard (1957)
105. Medawar, P. (1968)
106. Meyer, Kurt, H. (1952)
107. Millikan, R.A. (1935)
108. Mizushima, S. (1961)
109. Morgan, T.H. (1939)
110. Muller, Paul H. (1965)
111. Mulliken, R.S. (1969)
112. Neuweiler, G. (1992)
113. Niggli, P. (1937)
114. Oda, Minoru (1995)
115. Paschen, Friedrich (1935)
116. Pauli, Wolfgang (1948)
117. Pauling, Linus (1949)
118. Pavlov, I.P. (1935)
119. Pitzer, K.S. (1986)
120. Plyler, Earle K. (1962)
121. Pontecorvo, G. (1984)
122. Porter, Lord (1989)
123. Reichstein, T. (1953)
124. Richardson, Owen (1935)
125. Robinson, Robert (1935)
126. Roshko, Anatol (1994)
127. Rouxel, J. (1994)
128. Roy, Rustum (1990)
129. Rudberg, Erik (1971)
130. Russell, John (1935)
131. Rutherford, Lord (1935)
132. Ruzicka, Leopold (1957)
133. Salam, Abdus (1988)
134. Segre, Emilio (1971)
135. Semenov, N.N. (1960)
136. Series, George (1984)
137. Seward, A.C. (1935)
138. Sewell, R.B. Seymour (1949)
139. Siegbahn, K.M.G. (1935)
140. Sommerfeld, Arnold (1935)
141. Spemann, Hans (1936)
142. Staab, Heinz A. (1989)
143. Staudinger, Hermann (1967)
144. Stoicheff, B.P. (1971)
145. Svedberg, Theodor (1935)
146. Szent Gyorgyi, A. (1948)
147. Szigeti, Gyorgy (1962)
148. Taylor, Geoffrey (1953)
149. Theorell, Hugo (1961)
150. Tiselius, Arne (1960)
151. Todd, Lord (1981)
152. Urey, Harold, C. (1956)
153. Van Slyke, D.D. (1935)
154. Vavilov, N.I. (1938)
155. Vavilov, Sergei (1948)
156. Vinogradov, A.P. (1975)
157. Warburg, Otto (1963)
158. Watson, D.M.S. (1939)
159. Weiland, H. (1935)
160. Willstatter, R. (1936)
161. Wood, R.W. (1937)
162. Woodward, R.B. (1964)
163. Wyckoff, R.W.G. (1955)
164. Yukawa, Hideki (1958)
165. Zeeman, P. (1935)
166. Zewail, Ahmed. H. (2002)

Section D

Associateship

ASSOCIATESHIP

This programme was introduced in 1983 to identify and encourage promising young scientists. The programme was assessed for its impact by a committee constituted by the Council in 2018. Based on the recommendations of this committee the programme was restructured to provide opportunity to young scientists from diverse institutions and backgrounds to pursue scientific excellence. As per the revised guidelines:

- (i) The upper age limit is now 38 years.
- (ii) The Associateship is tenable for a minimum period of 3 years or a maximum period of 6 years.
- (iii) The extended tenure of Associateship is applicable for candidates selected from 2019 onwards.
- (iv) Associates are expected to contribute to the Academy's activities:
 - a. Associates will be encouraged to attend meetings of the Academy.
 - b. Receive free print editions of two Academy journals of their choice.
 - c. Organize Lecture Workshops, Refresher Courses and mentor students/teachers selected under the Summer Research Fellowship Programme.
 - d. Help in publications as authors and reviewers.
 - e. Participate in editorial activities of the Academy journals.

For the year 2020, candidates born after 31.12.1981 are eligible to be nominated by Fellows of the Academy. The total number of Associates is limited to 100 (present strength is 74).

With a view of expanding the scope of the Associateship programme starting from 2017, nominations are being solicited from the Heads of institutions of national importance such as IITs, NITs, IISERs, CSIR laboratories, Central University departments (limited to pure and applied sciences including engineering). For the year 2019 the last date of receipt of nominations is 30 April.

Candidates pursuing research in India are eligible to be nominated. The nomination should include one set:

- (1) Nomination form with original signature.
- (2) Summary of the scientific contributions.
- (3) Nominee's biodata and a complete list of publications
- (4) Reprints of the five most important papers published by the nominee in his/her independent career.

The validity of a nomination is one year.

The primary criteria of selection is proven independent research activity. For this purpose, independent work carried out prior to the securing of a formal position may also be considered.

ASSOCIATES ON ROLL

Period

- 2017–2020 **Agashe**, Deepa, b. 1983, Ph.D. (Texas, Austin), National Centre for Biological, Sciences, GKVK Campus, Bengaluru 560 065, Tel. Off. (080) 2366 6524, Fax (080) 2363 6662, email: dagashe@ncbs.res.in, URL: <http://www.adaptationlab.wordpress.com>, sp. evolutionary biology; ecology; molecular evolution.
- 2019–2022 **Aloke Kumar**, b. 1981, Ph.D. (Purdue), Department of Mechanical Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. off. (080) 2293 2958, email: alokekumar@iisc.ac.in, sp. complex fluids, microfluids; biophysics.
- 2017–2020 **Anand**, Sandeep, b. 1985, Ph.D. (IIT, Bombay), Department of Electrical Engineering, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7131, Mobile: 80098 71188, Fax (0512) 259 0063, email: asandeep@iitk.ac.in, URL: <http://home.iitk.ac.in/~asandeep/index.html>, sp. power electronics & electrical engineering.
- 2018–2021 **Ananthanarayanan**, Vaishnavi, b. 1986, Ph.D. (Max Planck Institute - CBG, Dresden), Centre for BioSystems Science and Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3069, Res. (080) 6717 9457, Mobile: 99161 01303, email: vaishnavi@iisc.ac.in, URL: <http://www.be.iisc.ac.in/~vaish>, sp. cell biology; biophysics; quantitative microscopy.
- 2017–2020 **Antony**, Runa, b. 1984, Ph.D. (Goa), National Centre for Polar & Ocean Research, Headland Sada, Vasco-da-gama, Goa 403 804, Tel. Off. (0832) 252 5632, Mobile: 84128 66428, email: runaantony@gmail.com, sp. polar microbiology; biogeochemistry; supraglacial carbon cycling.
- 2017–2020 **Badhulika**, Sushmee, b. 1985, Ph.D. (UC, Riverside), Department of Electrical Engineering, Indian Institute of Technology–Hyderabad, Kandi, Sangareddy, Hyderabad 502 285, Tel. Off. (040) 2301 8443, Fax (040) 2301 6032, email: sbadh@iith.ac.in, URL: <http://www.iith.ac.in/~sbadh/>, sp. flexible & wearable nanoelectronics; electrochemical nanosensors; paper electronics.
- 2017–2020 **Baidya**, Md. Mahiuddin, b. 1983, Ph.D. (Ludwig Maximilians), Department of Chemistry, Indian Institute of Technology–Madras, Chennai 600 036, Tel. Off. (044) 2257 4212, Res. (044) 2257 6212, Mobile: 99621 81860, Fax (044) 2257 4202, email: mbaidya@iitm.ac.in; mdmahiuddin@gmail.com, URL: <http://chem.iitm.ac.in/faculty/mahiuddinbaidya/>, sp. organic synthesis; catalysis.

- 2018–2023 **Bandopadhyay**, Aditya, b. 1989, Ph.D. (IIT, Kharagpur), Department of Mechanical Engineering, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 2978, Mobile: 99329 90007, email: aditya@mech.iitkgp.ernet.in, URL: <https://sites.google.com/view/aditya-iitkgp/home>, sp. fluid mechanics; electrohydrodynamics; transport through porous media.
- 2018–2023 **Banerjee**, Agnid, b. 1988, Ph.D. (Purdue) Reader F, TIFR Centre for Applicable Mathematics, Sharada Nagar, Bengaluru 560 065, email: agnid@tifrbng.res.in, sp. partial differential equations; harmonic analysis; geometric measure theory.
- 2019–2022 **Barman**, Siddharth, b. 1983, Ph.D. (Wisconsin, Madison), Computer Science & Automation Department, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3562, Mobile: 95571 33678, Fax (080) 2360 2911, email: barman@iisc.ac.in, sp. theoretical computer science; approximation algorithms; game theory.
- 2018–2023 **Basu**, Riddhipratim, b. 1988, Ph.D. (Univ. Calif., Berkeley), Reader F, International Centre for Theoretical Sciences, Hesaraghatta Post, Bengaluru 560 089, Tel. Off. (080) 4653 6380, Fax (080) 4653 6002, email: rbasu@icts.res.in, URL: <http://home.icts.res.in/~rbasu>, sp. probability theory; stochastic process; rigorous statistical mechanics.
- 2017–2020 **Bhalerao**, Varun Balachandra, b. 1983, Ph.D. (Caltech), Department of Physics, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 9379, Mobile: 98500 05899, Fax (022) 2576 7552, email: varunb@iitb.ac.in, URL: <http://www.phy.iitb.ac.in/en/content/varun-bhalerao>, sp. observational astrophysics; astrophysical instrumentation; astrophysical transient sources.
- 2019–2022 **Bhattacharyya**, Sayantani, b. 1981, Ph.D. (TIFR), School of Physical Sciences, National Institute of Science Education & Research, Jatni P.O., Khurda 752 050, Mobile: 81728 25521, email: sayanta@niser.ac.in, sp. high energy physics; gravity; quantum field theory.
- 2017–2022 **Bhowmik**, Debanjan, b. 1988, Ph.D. (UC, Berkeley), Department of Electrical Engineering, Indian Institute of Technology–Delhi, New Delhi 110 016, Tel. Off. (011) 2659 1043, Res. (011) 2659 1976, Mobile: 80174 53320, email: debanjan@ee.iitd.ac.in, sp. magnetism & spintronics; neuromorphic computing.

- 2018–2021 **Borah**, Debasish, b. 1985, Ph.D. (IIT, Bombay), Department of Physics, Indian Institute of Technology–Guwahati, Guwahati 781 039, Tel. Off. (0361) 258 3563, Res. (0361) 258 5563, Mobile: 84720 97235, Fax (0361) 258 2749, email: debasish.phy19@gmail.com; dborah@iitg.ac.in, URL: <http://inspirehep.net/author/profile/D.Borah.2>, sp. high energy physics; phenomenology; particle cosmology; astroparticle physics.
- 2017–2020 **Chakma**, Sankar, b. 1985, Ph.D. (IIT, Guwahati), Department of Chemical Engineering, Indian Institute of Science Education and Research–Bhopal, Bauri, Bhopal 462 066, Tel. Off. (0755) 269 2601, Res. 80111 53037, Mobile: 95081 35529, Fax (0755) 269 2392, email: schakma@iiserb.ac.in; sankarchakma@gmail.com, URL: <https://sites.google.com/site/sankarchakma/>, sp. environmental engineering; sonochemistry; advanced oxidation processes.
- 2017–2020 **Chakraborty**, Joydeep, b. 1983, Ph.D. (HRI, Allahabad), Department of Physics, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7083, Mobile: 75248 53731, email: joydeep@iitk.ac.in, sp. theoretical particle physics; effective field theory; unified field theory; supersymmetry.
- 2018–2021 **Chakraborty**, Anirvan, b. 1985, Ph.D. (ISI, Kolkata), Department of Mathematics & Statistics, Indian Institute of Science Education & Research–Kolkata, Mohanpur 741 246, Tel. Off. (033) 2502 8000/1335, Mobile: 94773 77387, email: vanchak@gmail.com; anirvan.c@iiserkol.ac.in, URL: <https://sites.google.com/site/anirvanchk/home>, sp. functional data analysis; nonparametric & robust statistics; stochastic processes.
- 2017–2020 **Chakraborty**, Jeevanjyoti, b. 1984, Ph.D. (IIT, Kharagpur), Department of Mechanical Engineering, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 2972, Res. (03222) 28 2973, Mobile: 98744 77518, email: jeevan@mech.iitkgp.ac.in, URL: <http://www.facweb.iitkgp.ac.in/~jeevanjyoti/>, sp. lithium-ion battery modelling; electrokinetic flows; transport phenomena at microscale.
- 2019–2022 **Charu Lata**, b. 1981, Ph.D. (JNU), Information & Human Resource Division, National Institute of Science Communication & Info Resources, 14, Satsang Vihar Marg, New Delhi 110 067, Tel. Off. (011) 2696 2560, Res. (0120) 499 7408, Mobile: 99584 24684, email: charulata@niscair.res.in; charulata14@gmail.com, URL: <https://scholar.google.com/citations?user=jgxOS6QAAAAJ&hl=en>, sp. plant molecular biology; agricultural biotechnology; crop genomics.

- 2019–2022 **Das**, Bata Krishna, b. 1982, Ph.D. (Lanster), Department of Mathematics, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 9460, Res. (022) 2576 5460, Mobile: 97697 61460, email: dasb@math.iitb.ac.in, URL: <http://www.math.iitb.ac.in/~dasb/>, sp. operator theory; operator algebra; quantum stochasticity.
- 2019–2022 **Das**, Dibyendu, b. 1981, Ph.D. (IACS), Department of Chemical Sciences, Indian Institute of Science Education and Research–Kolkata, Mohanpur 741 246, Tel. Off. (033) 6136 0000/1317, Mobile: 73308 23958, email: dasd@iiserkol.ac.in, URL: www.ddaslab.com, sp. supramolecular chemistry; systems chemistry; origin of life, organic materials.
- 2019–2022 **Das**, Kiranmoy, b. 1983, Ph.D. (Penn. State Univ.), Indian Statistical Institute, 203, BT Road, Kolkata 700 108, Tel. Off. 80173 54328, email: kiranmoy.das@gmail.com, sp. biostatistics, applied Bayesian methods; wireless communication.
- 2019–2022 **Dasgupta**, Basudeb, b. 1982, Ph.D. (TIFR), Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2210, email: bdasgupta@theory.tifr.res.in, sp. astroparticle physics; cosmology; high energy physics.
- 2019–2022 **Dinesh Kumar**, b. 1982, Ph.D. (TIFR), Centre for Biomedical Research, SGPGIMS Campus, Raibareli Road, Lucknow 226 014, Tel. Off. 89532 61506, Mobile: 80054 09932, Fax (0522) 266 8215, email: dineshcbmr@gmail.com; dinesh@cbmr.res.in, sp. nuclear magnetic resonance; clinical & preclinical metabolomics.
- 2018–2021 **Geetharani, K.**, b. 1984, Ph.D. (IIT, Madras), Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2432, Res. (080) 2360 2688, Mobile: 78994 62288, Fax (080) 2360 0683, email: geetharani@iisc.ac.in, URL: <http://ipc.iisc.ac.in/~kgr/>, sp. main-group chemistry; organometallics.
- 2018–2021 **Ghosh**, Tuhin, b. 1984, Ph.D. (IUCAA, Pune), School of Physical Sciences, National Institute of Science, Education & Research–Bhubaneswar, Jatni P.O., Khordha 752 050, Tel. Off. (0674) 249 4292, Mobile: 88478 58187, email: tghosh@niser.ac.in; tuhin.physics@gmail.com, URL: <http://www.niser.ac.in/users/tghosh#profile-main>, sp. galactic astrophysics; cosmology; cosmic microwave background radiation.

- 2017–2020 **Ghoshal**, Shyam Sundar, b. 1985, Ph.D. (TIFR), TIFR Centre for Applicable Mathematics, Sharada Nagar, Bengaluru 560 065, Tel. Off. (080) 6695 3748, Mobile: 80485 04123; 93434 94220, Fax (080) 6695 3799, email: ghoshal@tifrbng.res.in, URL: <https://sites.google.com/site/shyamghoshal/cv>, sp. partial differential equation; conservation laws; controllability of nonlinear PDE.
- 2017–2020 **Giri**, Rajanish, b. 1984, Ph.D. (Sapienza Univ., Rome), School of Basic Sciences, Indian Institute of Technology–Mandi, Mandi 175 005, Tel. Off. (01905) 26 7134, Res. (01905) 26 7138, Mobile: 98160 14007, Fax (01905) 26 7138, email: rajanishgiri@gmail.com; rajanishgiri@iitmandi.ac.in, URL: <http://faculty.iitmandi.ac.in/~rajanishgiri/>, sp. protein folding; Infection biology; intrinsically disordered proteins; zika virus; flaviviruses.
- 2018–2021 **Grover**, Abhinav, b. 1985, Ph.D. (IIT, Delhi), School of Biotechnology, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2673 8728, Mobile: 98918 12561; 81307 38032, Fax (011) 2674 2040, email: abhinavgr@gmail.com, URL: <http://www.jnu.ac.in/faculty/agrover/>, sp. intrinsically disordered proteins; structural biology; computational biology.
- 2019–2022 **Guin**, Joyram, b. 1983, Ph.D. (Westfälische Wilhelms Univ.), School of Chemical Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1426, Mobile: 94773 25784, Fax (033) 2473 2805, email: ocjg@iacs.res.in, sp. organic synthesis; asymmetric catalysis; radical chemistry.
- 2017–2021 **Hazarika**, Nabajit, b. 1986, Ph.D. (Tezpur), Department of Environmental Science, Nagaland University, Lumami 798 627, Mobile: 94354 81256; 97066 71256, email: hazarika_n@nagalanduniversity.ac.in; nabajit4u@gmail.com, sp. remote sensing; GIS applications; fluvial geomorphology; land use and land cover studies.
- 2018–2021 **Hazra**, Aritra, b. 1985, Ph.D. (IIT, Kharagpur), Department of Computer Science and Engineering, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 30 4640, Res. (03222) 30 4641, Mobile: 94343 70048, Fax (03222) 27 8985, email: aritrah@cse.iitkgp.ac.in; just2aritra@gmail.com, URL: <http://cse.iitkgp.ac.in/~aritrah/>, sp. design verification; VLSI; CAD.

- 2019–2022 **Jasuja**, Kabeer, b. 1984, Ph.D. (Kansas State), Department of Chemical Engineering, Indian Institute of Technology–Gandhinagar, Palaj, Gandhinagar 382 355, Tel. Off. (079) 2395 2445, Res. (079) 2395 1445, Mobile: 78749 46373, email: kabeer@iitgn.ac.in, sp. boron-rich nanosheets; nanohybrid architectures.
- 2017–2020 **Jha**, Somnath, b. 1983, Ph.D. (TIFR), Department of Mathematics & Statistics, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 6916, email: jhasom@gmail.com, URL: <https://sites.google.com/site/jhasom/>, sp. number theory; arithmetic geometry, lwasawa theory.
- 2018–2021 **Karagadde**, Shyamprasad, b. 1985, Ph.D. (IISc), Department of Mechanical Engineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7398, Res. (022) 2576 8398, Mobile: 75069 37398, Fax (022) 2572 6875, email: s.karagadde@iitb.ac.in, URL: <https://sites.google.com/site/shyamkaragadde/>, sp. solidification; computational mechanics; heat transfer.
- 2017–2020 **Kulkarni**, Manas, b. 1984, Ph.D. (SUNY, Stony Brook), International Centre for Theoretical Sciences, Shivakote, Hesaraghatta Post, Bengaluru 560 089, Tel. Off.(080) 6730 6220, Mobile: 97034 88491, Fax (080) 4653 6002, email: manas.kulkarni@icts.res.in, sp. condensed matter physics; statistical mechanics; nonequilibrium physics.
- 2017–2020 **Kumar**, Aditya, b. 1984, Ph.D. (IISc), Department of Molecular Biology & Biotechnology, Tezpur University, Tezpur 784 028, Tel. Off. (03712) 27 5422, Mobile:97419 64840, Fax (03712) 26 7005, email: aditya@tezu.ernet.in; kumar_aditya@rediffmail.com, URL: http://www.tezu.ernet.in/dmbbt/people/Aditya/Aditya_Home.html, sp. genomics; molecular biophysics; computational biology.
- 2018–2021 **Kundu**, Anupam, b. 1984, Ph.D. (RRI, Bangalore), Reader F, International Centre for Theoretical Sciences, Hesaraghatta Post, Bengaluru 560 089, Tel. Off. (080) 6730 6310, Mobile: 78991 01773, email: anupam.kundu@icts.res.in, sp. non-equilibrium many-particle system; anomalous transport; stochastic process; extreme value statistics.
- 2018–2021 **Mahajan**, Smriti, b. 1984, Ph.D. (Birmingham), Department of Physical Sciences, Indian Institute of Science Education and Research–Mohali, Knowledge City, Manauli P.O., SAS Nagar 140 306, Mobile: 96537 92580, email: mahajan.smriti@gmail.com, URL: <https://sites.google.com/site/mahajansmriti/>, sp. properties and evolution of galaxies; large-scale structure formation.

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- 2018–2021 **Manjunath**, Madhusudan, b. 1985, Ph.D. (Universitaet des Saarlandes), Department of Mathematics, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Mobile: 91084 96183, email: madhu@math.iitb.ac.in; madhusudan73@gmail.com, URL: <https://madhumath.wordpress.com/>, sp. algebraic combinatorics; tropical algebraic geometry; combinatorial commutative algebra.
- 2018–2021 **Manna**, Uttam, b. 1984, Ph.D. (IISc), Department of Chemistry, Indian Institute of Technology–Guwahati, Guwahati 781 039, Tel. Off. (0361) 258 3477, Res. (0361) 258 5477, Mobile: 70866 91175, Fax (0361) 258 2349, email: umanna@iitg.ac.in; su.uttam@gmail.com, URL: <http://www.iitg.ac.in/umanna/Uttam.html>, sp. polymeric material; bio-inspired interfaces.
- 2019–2022 **Mishra**, Sanjay Kumar, b. 1982, Ph.D. (Lucknow), Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4944, Mobile: 63551 13631, Fax (079) 2630 0374, email: sanjaym@prl.res.in; nishfeb@gmail.com, URL: <https://www.prl.res.in/~sanjaym/>, sp. dusty complex plasmas; plasma physics; planetary exosphere.
- 2019–2022 **Nayak**, Ajaya Kumar, b. 1983, Ph.D. (IIT, Bombay), School of Physical Sciences, National Institute of Science Education & Research, Jatni P.O., Khurda 752 050, Tel. Off. (0674) 249 4328, Mobile: 76539 54313, Fax (0674) 249 4262, email: ajaya@niser.ac.in, URL: <https://ajaya79.wixsite.com/nmslab/people>, sp. condensed matter experiment; magnetism; spintronics.
- 2019–2022 **Netrapalli**, Praneeth Kumar, b. 1986, Ph.D. (Texas, Austin), Microsoft Research, Vigyan, I Floor #9, Lavelle Road, Bengaluru 560 001, Tel. Off. (080) 6658 6165. Mobile: 88672 06779, email: praneeth@microsoft.com, URL: <http://praneethnetrapalli.org/>, sp. machine learning; optimization; signal processing.
- 2019–2022 **Pal**, Sourav, b. 1982, Ph.D. (IISc), Department of Mathematics, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 9459, Res. (022) 2576 5459, Mobile: 97697 75459, email: sourav@math.iitb.ac.in; souravmaths@gmail.com, URL: <http://www.math.iitb.ac.in/~sourav/>, sp. functional analysis; operator theory; several complex variables.

- 2018–2021 **Pavan Chaitanya**, Peddapati, b. 1985, Ph.D. (SV University), Research Associate, National Atmospheric Research Laboratory, Gadanki, Tirupati 517 112, Tel. Off. (0877) 250 0650, Mobile: 78933 23121, Fax (08585) 27 2021, email: pavanpeddapati@gmail.com, sp. ionospheric electro-dynamics; ionospheric plasma irregularities; radar probing of ionosphere.
- 2019–2022 **Pooja Devi**, b. 1988, Ph.D. (AcSIR, New Delhi), Agrionics Division, Central Scientific Instruments Organisation, Sector 30 C, Chandigarh 160 030, Tel. Off. (0172) 267 2320, Mobile: 78379 07516, Fax (0172) 265 7267, email: poojaiitr@csio.res.in, poojaiitr1987@gmail.com, sp. materials engineering; water quality monitoring; solar energy harvesting devices.
- 2017–2020 **Praveen Kumar**, Balanpillai, b. 1985, Ph.D. (Andhra), Indian National Centre for Ocean Information Services, Ocean Valley, Pragathi Nagar (B0), Nizampet P.O. Hyderabad 500 090, Tel. Off. (040) 2388 6170, Mobile: 81252 77281, Fax (040) 2389 5001, email: praveen.b@incois.gov.in, URL: <http://www.incois.gov.in/hrd/employeeprofile.jsp?uid=068>, sp. marine meteorology; Air-Sea fluxes; upper Ocean variability.
- 2018–2021 **Raj**, Rishi, b. 1984, Ph.D. (Maryland), Department of Mechanical Engineering, Indian Institute of Technology–Patna, Bihta, Patna 801 103, Tel. Off. (0612) 302 8166, Res. (0612) 302 8427, Mobile: 82923 39322, email: rraj@iitp.ac.in; rraj.iitg@gmail.com, URL: <http://www.iitp.ac.in/~rraj/>, sp. energy; thermal; surface science; microgravity.
- 2019–2022 **Samanta**, Rajarshi, b. 1981, Ph.D. (IICT), Department of Chemistry, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 3310, Res. (03222) 28 3311, Mobile: 96350 72357, email: rsamanta@chem.iitkgp.ac.in, URL: <https://www.rsamanta.com>, sp. synthetic organic chemistry; transition metal catalysis; asymmetric synthesis.
- 2017–2022 **Saptharishi**, Ramprasad, b. 1987, Ph.D. (CMI, Chennai), School of TCS, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off.(022) 2278 2998, email: ramprasad@tifr.res.in, URL: <http://www.tcs.tifr.res.in/~ramprasad/>, sp. Algebraic circuit complexity; computational complexity; coding theory.

- 2019–2022 **Sasidhar**, Balappa Somappa, b. 1984, Ph.D. (Gulbarga), Chemical Science & Technology Division, National Institute of Interdisciplinary Science & Technology, Industrial Estate P.O., Thiruvananthapuram 695 019, Tel. Off. (0471) 251 5416, Mobile: 94972 60897, email: drsasidharbs@gmail.com; drsasidharbs@niist.res.in, URL: <http://www.niist.res.in/english/scientists/sasidhar-b-s/publications.html>, sp. organic synthesis; medicinal chemistry; phytochemistry.
- 2017–2020 **Sen**, Sakya Singha, b. 1983, Ph.D. (Goettingen), Catalysis & Inorganic Chemistry Division, CSIR–National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 2052, Mobile: 77740 99756, email: ss.sen@ncl.res.in, URL: <http://academic.ncl.res.in/ss.sen>, sp. main-group chemistry; organometallic chemistry; catalysis.
- 2018–2021 **Shrivastava**, Mayank, b. 1984, Ph.D. (IIT, Bombay), Department of Electronics Systems Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2732, Mobile: 95911 40309, email: mayank@iisc.ac.in, URL: <http://mayank.desc.iisc.ac.in/>, sp. nanoelectronics; system-on chip, power semiconductor devices.
- 2019–2022 **Shukla**, Arun Kumar, b. 1981, Ph.D. (Max Planck Inst.), Department of Biological Sciences & Biotechnology, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 4251, Res. (0512) 259 8589, Mobile: 80049 83769, Fax (0512) 259 4010, email: arshukla@iitk.ac.in, sp. structural biology; cellular signaling; chemical & synthetic biology.
- 2017–2020 **Singh**, Arvind, b. 1983, Ph.D. (MLS University), Geosciences Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4366, Mobile: 94275 08609, Fax (079) 2631 4800, email: arvinds@prl.res.in, URL: <https://www.prl.res.in/~arvinds/>, sp. ocean biogeochemistry; anthropogenic impacts on Marine nitrogen cycling.
- 2017–2020 **Singh**, Prabhat Kumar, b. 1983, Ph.D. (HBNI, Mumbai), Radiation & Photochemistry Division, Chemistry Group, Bhabha Atomic Research Centre, Trombay, Mumbai 400 085, Tel. Off. (022) 2559 0894; (022) 2559 0296, Res. (022) 2548 0156, Mobile: 98694 09429, Fax (022) 2550 5151, email: prabhatk@barc.gov.in; prabhatsingh988@gmail.com, sp. ultrafast-time-resolved spectroscopy; supramolecular chemistry; biosensors.

- 2018–2022 **Singh, Riddhi**, b. 1987, Ph.D. (Penn. State Univ.), Department of Civil Engineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 9307, Res. (022) 2576 5307, Mobile: 97057 33278, Fax (022) 2576 7302, email: riddhi@civil.iitb.ac.in; singh.riddhi26@gmail.com, URL: <https://riddhisingh.weebly.com/>, sp. rainfall runoff modelling; decision analysis for water resources; climate change.
- 2019–2022 **Singh, Vibhor**, b. 1984, Ph.D. (TIFR), Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2720, email: v.singh@iisc.ac.in, URL: www.physics.iisc.ac.in/~v.singh/, sp. superconducting quantum devices; transport in mesoscopic devices.
- 2017–2020 **Sinha, Devanjan**, b. 1984, Ph.D. (IISc), Department of Zoology, Institute of Science, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 236 8145, Res. (0542) 236 8153, Mobile: 97419 64696, email: devanjan@bhu.ac.in, sp. mitochondria biology; drug resistance; stress biology.
- 2019–2022 **Sreenivas, Pentakota**, b. 1983, Ph.D. (Andhra), Indian Institute of Tropical Meteorology, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 4303, Res. (020) 2980 8793, Mobile: 96238 88793, Fax (020) 2586 5142, email: sreenivas@tropmet.res.in; sreenivas83@gmail.com, URL: https://www.tropmet.res.in/83-Sreenivas%20%20Pentakota-scientist_detail, sp. data assimilation; climate modelling; monsoon prediction.
- 2017–2022 **Srivastava, Piyush**, b. 1988, Ph.D. (UC, Berkeley), School of Technology and Computer Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2985, email: piyush.srivastava@tifr.res.in, URL: <http://www.tifr.res.in/~piyush.srivastava>, sp. algorithms; randomness in computational complexity.
- 2019–2022 **Subrahmanyam, Kandula V**, b. 1983, Ph.D. (CUSAT), Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram 695 022, Tel. Off. (0471) 256 3122, Res. (0471) 246 3299, Mobile: 98955 78588, Fax (0471) 270 6535, email: kvsm2k@gmail.com; kv_subrahmanyam@vssc.gov.in, sp. remote sensing of clouds; clouds & climate change.

- 2019–2022 **Subudhi**, Umakanta, b. 1982, Ph.D. (Utkal), DNA Nanotechnology & Application Laboratory, CSIR–Institute of Minerals & Materials Technology, Bhubaneswar 751 013, Tel. Off. (0674) 237 9299; (0674) 237 9249, Res. 98615 76636, Mobile: 99386 72226; 89173 78887, Fax (0674) 256 7637, email: usubudhi@immt.res.in; subudhisai@gmail.com, URL: https://scholar.google.co.in/citations?hl=en&user=npWRVOKAAAAJ&view_op=list_works&sortby=pubdate, sp. DNA nanotechnology; molecular biophysics; chemical biology; anti-oxidant therapeutics.
- 2018–2021 **Supradeepa**, Venkatasubbaiah Ramakrishna, b. 1984, Ph.D. (Purdue), Centre for Nanoscience & Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2995, Res. (080) 2860 6989, Mobile: 82771 55752, Fax (080) 2360 4656, email: supradeepa@iisc.ac.in, URL: <http://www.cense.iisc.ac.in/supradeepagroup>, sp. photonics; lasers; nonlinear & ultrafast optics.
- 2019–2022 **Tiwari**, Vishvanath, b. 1983, Ph.D. (AIIMS), Department of Biochemistry, Central University of Rajasthan, Bandarsindri, Ajmer 305 817, Mobile: 85030 02573, email: vishvanath@curaj.ac.in; vishvanath7@yahoo.co.in, URL: <https://curaj.ac.in/faculty/vishvanath-tiwari>, sp. host-pathogen interactions; bacterial pathogenesis & antibiotics resistance; vaccine design; drug discovery; protein engineering,
- 2017–2021 **Tripathi**, Swati, b. 1986, Ph.D. (Lucknow) Scientist D, Birbal Sahni Institute of Palaeosciences, 53, University Road, Lucknow 226 007, Tel. Off. (0522) 274 2931, Mobile: 80049 29237, Fax (0522) 274 0485, email: swatidixit26@gmail.com, URL: http://www.bsip.res.in/bsip_director.php?id=STA55#, sp. palaeoclimate; pollen morphology of living Plants; melissopalynology.
- 2018–2022 **Venkatesh**, Rajendran, b. 1987, Ph.D. (HBNI, Delhi), Department of Mathematics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3616, Mobile: 98671 45104, email: rvenkat@iisc.ac.in, URL: <http://math.iisc.ac.in/~rvenkat/>, sp. representation theory; combinatorics.
- 2017–2020 **Vinu**, Ravikrishnan, b. 1984, Ph.D. (IISc), Department of Chemical Engineering, Indian Institute of Technology–Madras, Chennai 600 036, Tel. Off. (044) 2257 4187, Res. (044) 2987 0050, Mobile: 95001 58723, email: vinu@iitm.ac.in; rvinu008@gmail.com, URL: <https://sites.google.com/site/vinuresearch/>, sp. thermochemical conversion; biomass and waste materials to biofuels; catalytic reactions; mechanistic modelling.

- 2018–2021 **Vishal**, Vikram, b. 1985, Ph.D. (IIT–Bombay & Monash), Associate Professor, Department of Earth Sciences, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7254, Res. (022) 2576 8254, Mobile: 96192 90150, Fax (022) 2576 7253, email: v.vishal@iitb.ac.in, URL: <http://www.geos.iitb.ac.in/index.php/en/vv>, sp. reservoir geomechanics; engineering geology; climate change perspectives – geologic carbon dioxide storage.
- 2018–2023 **Vyasanakere**, Jayanth P, b. 1988, Ph.D. (IISc), School of Arts and Sciences, Azim Premji University, Pixel Park, B Block, Electronic City, Bengaluru 560 100, Tel. Off. (080) 6614 4900-02, Res. (080) 2660 2802, Mobile: 97393 61318, Fax (080) 6614 5145, email: jayanth.vyasanakere@apu.edu.in; jayavyasa@gmail.com, sp. condensed matter physics; quantum mechanics; physics education.
- 2019–2022 **Yaragorla**, Srinivasarao, b. 1981, Ph.D. (IICT), School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4833, Mobile: 98662 86259, Fax (040) 2301 2460, email: srinivas.yaragorla@uohyd.ac.in, URL: <http://chemistry.uohyd.ac.in/ysr.htm> sp. organic chemistry; synthetic methods-allenes; cycloadditions; annulations.
- 2017–2020 **Yhoshu**, Kedovikho, b. 1985, Ph.D. (Nagaland) Department of Geography, Nagaland University, Lumami 798 627, Mobile: 87318 96565, email: kedovikho@gmail.com, sp. physical geography; Geohazards; remote sensing & GIS applications.

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ASSOCIATES SELECTED IN 2019

1. Alope Kumar
2. Barman, Siddharth
3. Bhattacharyya, Sayantani
4. Charu Lata
5. Das, Bata Krishna
6. Das, Dibyendu
7. Das, Kiranmoy
8. Dasgupta, Basudeb
9. Kumar, Dinesh
10. Guin, Joyram
11. Jasuja, Kabeer
12. Mishra, Sanjay K
13. Nayak, Ajaya K
14. Netrapalli, Praneeth
15. Pal, Sourav
16. Pooja Devi
17. Samanta, Rajarshi
18. Sasidhar, B S
19. Shukla, Arun K
20. Singh, Vibhor
21. Sreenivas, P
22. Subrahmanyam, K
23. Subudhi, Umakanta
24. Tiwari, Vishvanath
25. Yaragorla, Srinivasarao

FORMER ASSOCIATES

1. Adarsh, Kumaran Nair Valsala Devi ((2014–2017) (Physics)
2. Agarwal, Shivani (2012–2015) (Engineering & Technology)
3. Agarwal, Uday S. (1993–1997) (Engineering & Technology)
4. Agarwalla, Sanjib Kumar (2013–2016) (Physics)
5. Agrawal, Manindra (1998–2001) (Engineering & Technology)
6. Ajith, Parameswaran (2014–2017) (Physics)
7. Anand, Baskaran (2015–2018) (General Biology)
8. Anand, Venkataramanarao Govindan (2008–2011) (Chemistry)
9. Anandavardhanan, U. K. (2007–2011) (Chemistry)
10. Ananth, Sudarshan (2009–2013) (Physics)

11. Anantharamaiah, Kuduvalli Ramaswamaiah (1983–87) (Physics)
12. Anbarasan, Pazhamalai (2015–2018) (Chemistry)
13. Ansumali, Santosh (2010–2013) (Engineering)
14. Antia, Hormazad Maneck (1986–90) (Physics)
15. Arora, Dilip Kumar (1985–88) (Plant Sciences)
16. Arun, Sripati Panditaradhyulu (2010–2013) (Medicine)
17. Aswal, Vinod Kumar (2000–05) (Physics)
18. Athithan, Gopaldasamy (1989–93) (Engineering & Technology)
19. Athreya, Siva (2002–06) (Mathematical Sciences)
20. Ayyer, Arvind (2014–2017) (Mathematical Sciences)
21. Azmi, R.J. (1983–86) (Earth & Planetary Sciences)
22. Bagchi, Biman (1985–89) (Chemistry)
23. Balasubramanian, Ramachandran (1983–86)
(Mathematical Sciences)
24. Banerjee, Abhishek (2015–2019) (Mathematical Sciences)
25. Banerjee, Dipankar (1985–88) (Engineering & Technology)
26. Banerjee, Rahul (1996–2000) (Physics)
27. Banerjee, Rahul (2009–2012) (Chemistry)
28. Banerjee, Sunanda (1985–88) (Physics)
29. Barma, Mustansir (1983–86) (Physics)
30. Basu, Amit J. (1993–97) (Engineering & Technology)
31. Basu, Biswajit (1989–94) (Engineering & Technology)
32. Beegum, Naseema (2012–2016) (Earth & Planetary Sciences)
33. Begum, Ayesha (2006–2011) (Physics)
34. Bera, Melinda Kumar (2013–2016) (Earth & Planetary Sciences)
35. Bharali, Gautam (2006–09) (Mathematical Sciences)
36. Bhat, B.V. Rajarama (1996–2001) (Mathematical Sciences)
37. Bhat, T. Balakrishna (1983–86) (Engineering & Technology)
38. Bhatt, Abhay Gopal (1996–2001) (Mathematical Sciences)
39. Bhattacharjee, Subhro (2016–2019) (Physics)
40. Bhattacharya, Atanu (2016–2019) (Chemistry)
41. Bhattacharya, Dipankar (1988–93) (Physics)
42. Bhattacharya, Siddhartha (2003–06) (Mathematical Sciences)
43. Bhattacharyya, Suvendra Nath (2010–2013) (General Biology)
44. Bhavesh, Neel Sarovar (2009–2012) (General Biology)
45. Bhowmick, Jyotishman (2014–2017) (Mathematical Sciences)

46. Biswas, Debabrata (1994–99) (Physics)
47. Biswas, Kanishka (2014–2017) (Chemistry)
48. Biswas, Kingshook (2009–2014) (Mathematical Sciences)
49. Chakrabarti, Sandip K. (1989–93) (Physics)
50. Chakrabarti, Subhabrata (2004–07) (Medicine)
51. Chakraborty, Partha Sarathi (2005–08) (Mathematical Sciences)
52. Chakraborty, Sagar (2016–2019) (Physics)
53. Chakravarty, Charusita (1995–99) (Chemistry)
54. Chand, Hum (2009–2012) (Physics)
55. Chandra, Amalendu (1994–98) (Chemistry)
56. Chandran, L. Sunil (2009–2012) (Engineering & Technology)
57. Chandrasekar, V.K. (2011–2014) (Engineering & Technology)
58. Chandrasekhar, Jayaraman (1986–89) (Chemistry)
59. Chaplot, Samrath Lal (1985–90) (Physics)
60. Chattaraj, Pratim Kumar (1990–93) (Chemistry)
61. Chatterjee, Ambar (1986–89) (Physics)
62. Chaudhuri, Probal (1994–98) (Mathematical Sciences)
63. Chaudhuri, Swetaprovo (2016–2019) (Engineering & Technology)
64. Chauhan, Santosh (2009–2013) (Medicine)
65. Cherayil, Binny J. (1990–93) (Chemistry)
66. Choudhury, Debajyoti (1993–98) (Physics)
67. Chowdhury, Rukhsana (1989–93) (General Biology)
68. Dabeer, Onkar Jayant (2009–2012) (Engineering & Technology)
69. Das, Partha Pratim (1993–96) (Engineering & Technology)
70. Dasgupta, Pallab (1998–2002) (Engineering & Technology)
71. Datta, Ayan (2010–2015) (Chemistry)
72. Datta, Ranjan (2010–2013) (Engineering & Technology)
73. Deshpande, Avinash A. (1989–93) (Physics)
74. Desiraju, Gautam Radhakrishna (1985–88) (Chemistry)
75. Dethe, Dattatraya H. (2011–2014) (Chemistry)
76. Dewangan, Pawan (2009–2012) (Earth & Planetary Sciences)
77. Dey, Abhishek (2010–2013) (Chemistry)
78. Dhandapani, Yogeshwaran (2016–2019) (Mathematical Sciences)
79. Dhanya, Chandrika Thulaseedharan (2016–2019)
(Earth & Planetary Sciences)
80. Dhar, Abhishek (2001–05) (Physics)

81. Dhar, Deepak (1983–86) (Physics)
82. Dixit, Narendra M. (2008–2011) (Engineering & Technology)
83. Gadagkar, Raghavendra (1983–88) (Animal Sciences)
84. Gadgil, Siddhartha (2003–07) (Mathematical Sciences)
85. Gadre, Shridhar Ramchandra (1983–86) (Chemistry)
86. Gaikar, Vilas G. (1992–95) (Engineering & Technology)
87. Ganapathy, Radhika (2016–2019) (Mathematical Sciences)
88. Ganapathy, Rajesh (2010–2013) (Physics)
89. Ganesh, Krishnarajanagar Nagappa (1984–88) (Chemistry)
90. Ganguly, Gautam (1989–94) (Physics)
91. Garg, Rohini (2016–2019) (Plant Sciences)
92. Geetha, L. (1996–99) (Animal Sciences)
93. George, Subi Jacob (2011–2014) (Chemistry)
94. Ghosh, Anil Kumar (2007–2010) (Mathematical Sciences)
95. Ghosh, Ashish (1997–2001) (Engineering & Technology)
96. Ghosh, Pushpito Kumar (1987–89) (Chemistry)
97. Ghosh, Saurabh (2003–06) (General Biology)
98. Ghosh, Shankar (2005–09) (Physics)
99. Ghosh, Suhrit (2009–2012) (Chemistry)
100. Ghosh, Sujit Kumar (2012–2015) (Chemistry)
101. Ghosh, Zhumur (2011–2014) (General Biology)
102. Godbole, Rohini Madhusudan (1985–88) (Physics)
103. Gogate, Parag Ratnakar (2009–2012)
(Engineering & Technology)
104. Goswami, Debashish (2003–07) (Mathematical Sciences)
105. Goswami, Jitendra Nath (1984–87) (Earth & Planetary Sciences)
106. Govindaraju, T. (2011–2014) (Chemistry)
107. Gowrishankar, Jayaraman (1987–91) (General Biology)
108. Gudi, Thirupathi (2011–2014) (Mathematical Sciences)
109. Gun, Sanoli (2010–2013) (Mathematical Sciences)
110. Gupta, Anjan Kumar (2004–07) (Physics)
111. Gupta, Neena (2013–2018) (Mathematical Sciences)
112. Gupta, Purushottam Das (1986–89) (Physics)
113. Gupta, P.K. (1987–88) (Plant Sciences)
114. Gupta, Sanjeev Kumar (1997–2001) (Engineering & Technology)
115. Gupta, Satish Kumar (1986–89) (General Biology)

116. Guptasarma, Purnananda (1997–2001) (General Biology)
117. Guttal, Vishwasha (2013–2016) (Animal Sciences)
118. Habib, Saman (1997–02) (General Biology)
119. Hariharan, Ramesh (2000–04) (Engineering & Technology)
120. Harsha, Prahladh (2011–2014) (Engineering & Technology)
121. Holla, Yogish I. (2002–06) (Mathematical Sciences)
122. Home, Dipankar (1987–90) (Physics)
123. Hosur, Ramakrishna Vijayacharya (1985–88) (Chemistry)
124. Inamdar, Maneesha S. (1999–2002) (General Biology)
125. Inderjit (1995–98) (Plant Sciences)
126. Iyer, B.R. (1984–87) (Physics)
127. Jain, Mukesh (2007–2012) (Plant Sciences)
128. Jain, Tanvi (2010–2015) (Mathematical Sciences)
129. Jain, Vimal Kumar (1988–91) (Chemistry)
130. Jana, Subhra (2015–2018) (Chemistry)
131. Jana, Tushar (2005–09) (Chemistry)
132. Jayanth Kumar, Palanichamy (2016–2019) (Medicine)
133. Jeganmohan, Masilamani (2012–2015) (Chemistry)
134. Jemmis, Eluvathingal Devassy (1984–87) (Chemistry)
135. Jha, Rajan (2013–2016) (Physics)
136. Joshi, Amitabh (1997–2000) (Animal Sciences)
137. Joshi, Jyeshtharaj Bhalchandra (1983–86)
(Engineering & Technology)
138. Joshi, Yogesh Moreshwar (2006–09) (Engineering & Technology)
139. Karthikeyan, Thangaraj (2008–2011) (Engineering & Technology)
140. Kaul, Romesh Kumar (1984–87) (Physics)
141. Kavitha, Telikepalli (2007–2010) (Engineering & Technology)
142. Kayastha, Arvind Mohan (1991–95) (General Biology)
143. Kembhavi, Ajit Keshav (1983–86) (Physics)
144. Khan, Faiz Ahmed (1997–2000) (Chemistry)
145. Khan, Sameena (2016–2019) (General Biology)
146. Khare, Chandrashekhar B. (1998–2002) (Mathematical Sciences)
147. Kingar, Asha Kiran (1993–97) (General Biology)
148. Kodandaramaiah, Ullasa (2014–2017) (Animal Sciences)
149. Kolaskar, Ashok Sadanand (1984–87) (General Biology)
150. Koshti, Sucheta (1995–98) (Physics)

151. Krishnamurthy, Hulikal Ramaiyengar (1983–86) (Physics)
152. Krishnamurthy, M. (1999–2004), (Physics)
153. Krishnan, Nadathur (1990–95) (Physics)
154. Krishnan, Yamuna (2005–09) (General Biology)
155. Krishnapur, Manjunath (2009–2014) (Mathematical Sciences)
156. Kshirsagar, Abhijit Khanderao (1992–95) (Physics)
157. Kulkarni, Amol (2011–2014) (Engineering & Technology)
158. Kulkarni, Ankur Achyut (2015–2018) (Engineering & Technology)
159. Kulkarni, Mohan Gopalkrishna (1984–88) (Engineering & Technology)
160. Kulkarni, R.N. (1984–88) (Plant Sciences)
161. Kumar, Alok (1993–96) (Physics)
162. Kumar, Brijesh (2006–2011) (Physics)
163. Kumar, Neithalath Mohan (1984–87) (Mathematical Sciences)
164. Kumar, Praveen (2016–2019) (Engineering & Technology)
165. Kumaran, Viswanathan (1995–2000) (Engineering & Technology)
166. Lala, Anil Kumar (1983–86) (Chemistry)
167. Lele, Ashish K. (1996–2001) (Engineering & Technology)
168. Mabalirajan, Ulaganathan (2013–2016) (Medicine)
169. Mahajan, Namit (2008–2011) (Physics)
170. Mahalakshmi, Radhakrishnan (2014–2017) (General Biology)
171. Mahapatra, Santanu (2009–2012) (Engineering & Technology)
172. Maiti, Debabrata (2013–2016) (Chemistry)
173. Maitra, Uday (1989–92) (Chemistry)
174. Maji, Pradipta (2009–2012) (Engineering & Technology)
175. Malik, Sudip (2009–2012) (Chemistry)
176. Mandal, Gautam (1992–97) (Physics)
177. Mandal, Nibir (1992–97) (Earth & Planetary Sciences)
178. Mandal, Sumantra (2009–2014) (Engineering & Technology)
179. Manglik, Ajay (1996–2001) (Earth & Planetary Sciences)
180. Marimuthu, Ganapathy (1987–89) (Animal Sciences)
181. Maulik, Krishanu (2008–2011) (Mathematical Sciences)
182. Mazumdar, Shyamalava (1991–96) (Chemistry)
183. Mehra, Anurag (1989–94) (Engineering & Technology)
184. Mehra, Narinder Kumar (1983–86) (Medicine)
185. Mehrotra, Ravi (1986–89) (Physics)
186. Menon, Gautam I. (1996–2001) (Physics)

187. Mishra, Rajiv Sharan (1993–96) (Engineering & Technology)
188. Mishra, Sabyashachi (2016–2019) (Chemistry)
189. Misra, Abha (2013–2016) (Engineering & Technology)
190. Mitra, Abhijit (2008–2011) (Engineering & Technology)
191. Mitra, Supriyo (2011–2014) (Earth & Planetary Sciences)
192. Mittal, Aditya (2005–09) (Engineering & Technology)
193. Mohan, Anand (1988–92) (Earth & Planetary Sciences)
194. Mohanty, Bedangadas (2003–07) (Physics)
195. Mohanty, Saradaprasad (1989–93) (Earth & Planetary Sciences)
196. Mondal, Jagannath, (2016–2019) (Chemistry)
197. Mondal, Samrat (2016–2019) (Animal Sciences)
198. Mukerjee, Subroto (2010–2013) (Physics)
199. Mukherjee, Chandan (2015–2018) (Chemistry)
200. Mukherjee, Partha Sarathi (2007–2010) (Chemistry)
201. Mukherjee, Prabir Kumar (1997–2001) (Physics)
202. Mukherjee, Santanu (2012–2015) (Chemistry)
203. Mukhopadhyay, Banibrata (2007–2010) (Physics)
204. Mukhopadhyay, Debdeep (2011–2014)
(Engineering & Technology)
205. Mukhopadhyay, Pritam (2007–2010) (Chemistry)
206. Mukhopadhyay, Samrat (2009–2012) (General Biology)
207. Nag, Angshuman (2014–2017) (Chemistry)
208. Nagaraj, Ramakrishnan (1985–88) (General Biology)
209. Nagendra, Harini (2003–07) (Plant Sciences)
210. Nagendran, Selvarajan (2009–2012) (Chemistry)
211. Nair, Arvind N. (2000–05) (Mathematical Sciences)
212. Nair, Nisanth Narayanan (2012–2015) (Chemistry)
213. Nair, Vijayakumar Sivadasan (2010–2015)
(Earth & Planetary Sciences)
214. Nanda, Samik (2010–2013) (Chemistry)
215. Nangia, Ashwini (1992–95) (Chemistry)
216. Narayan, Ramesh (1983–86) (Physics)
217. Narayanan, Eravimangalam Krishnan (2001–05)
(Mathematical Sciences)
218. Narayanan, Tharangattu Narayanan (2015–2018) (Physics)
219. Natarajan, Vijay (2010–2013) (Engineering & Technology)

220. Neelankantan, Krishnan (1983–88) (Engineering & Technology)
221. Nitsure, Nitin (1989–92) (Mathematical Sciences)
222. Nori, Madhav Vithal (1983–86) (Mathematical Sciences)
223. Padhy, Lakshmi Charan (1983–86) (General Biology)
224. Padiath, Quasar Saleem (2002–06) (Medicine)
225. Padmanabhan, Thanu (1984–89) (Physics)
226. Pal, Arupkumar (1999–2003) (Mathematical Sciences)
227. Pal, Bipul (2008–2011) (Physics)
228. Pande, Kanchan (1987–92) (Earth & Planetary Sciences)
229. Pandey, Anshu (2014–2017) (Chemistry)
230. Pandit, Rahul (1987–91) (Physics)
231. Parameswaran, A.J. (1992–97) (Mathematical Sciences)
232. Paranjape, Aseem (2015–2018) (Physics)
233. Paranjape, Kapil Hari (1992–95) (Mathematical Sciences)
234. Parthasarathi, Ramakrishnan (2008–2013) (Chemistry)
235. Patel, Apoorva D. (1990–94) (Physics)
236. Patel, Vijay Vinayak (2000–04) (Engineering & Technology)
237. Pati, Arun Kumar (1998–2001) (Physics)
238. Pati, Ashok Kumar (1983–88) (Physics)
239. Patil, Nitin Tukaram (2010–2013) (Chemistry)
240. Patil, Satish Amrutrao (2009–2012) (Chemistry)
241. Patra, Amit (1992–97) (Engineering & Technology)
242. Patra, Arpita (2015–2018) (Engineering & Technology)
243. Patwardhan, Ashwin Wasudeo (2004–2007)
(Engineering & Technology)
244. Pavan Kumar, G.V. (2011–2015) (Physics)
245. Perlekar, Prasad (2015–2018) (Physics)
246. Prabhu, Ramappa (2015–2018) (Physics)
247. Pradeep Singh, Narayana Dhuleep (2009–2012) (Chemistry)
248. Pradip (1988–91) (Engineering & Technology)
249. Prajapati, Vijay Kumar (2016–2019) (Medicine)
250. Prasad, Amritanshu (2005–09) (Mathematical Sciences)
251. Prasad, Sudarsan D. (1984–87) (Engineering & Technology)
252. Prathap, Gangan (1985–88) (Engineering & Technology)
253. Priyakumar, U. Deva (2011–2014) (General Biology)
254. Pucadyil, Thomas J. (2011–2014) (General Biology)

255. Radhakrishnan, Jaikumar (1994–99) (Engineering & Technology)
256. Radhakrishnan, T.P. (1990–95) (Chemistry)
257. Raghubanshi, Akhilesh Singh (1993–98) (Plant Sciences)
258. Rajadhyaksha, Rajeev Anand (1984–87)
(Engineering & Technology)
259. Rajaraman, Gopalan (2013–2016) (Chemistry)
260. Ramakrishna, Subramaniam Anantha (2004–2007) (Physics)
261. Ramakrishnan, S. (1991–95) (Chemistry)
262. Ramaswami, Mani (1991–96) (General Biology)
263. Ramaswamy, Ramakrishna (1985–88) (Chemistry)
264. Ramaswamy, Sriram (1988–92) (Physics)
265. Ramesh, D.S. (1991–96) (Earth & Planetary Sciences)
266. Ramkumar, Peramachanahalli Sachidananda (1998–2001) (Physics)
267. Ranade, Vivek Vinayak (1994–98) (Engineering & Technology)
268. Ranganathan, Anand (2002–2006) (General Biology)
269. Rangarajan, Pundi Narasimhan (1994–98) (General Biology)
270. Rangarajan, Raghavan (1998–2001) (Physics)
271. Rao, I.V. Ramanuja (1983–88) (Plant Sciences)
272. Ray, Debashis (1990–95) (Chemistry)
273. Ray, Jyotiranjana (1999–2004) (Earth & Planetary Sciences)
274. Ray, Partho Sarothi (2010–2013) (General Biology)
275. Ray, Supratim (2012–2015) (Medicine)
276. Raychaudhuri, Arup Kumar (1986–89) (Physics)
277. Rodrigues, Veronica Filomena (1983–88) (General Biology)
278. Row, Tayur N. Guru (1983–86) (Chemistry)
279. Roy, Debdas (2009–2012) (Engineering & Technology)
280. Roy, Parthanil (2012–2015) (Mathematical Sciences)
281. Roy Chowdhury, Dipanwita (1994–1998) (Engineering & Technology)
282. Saha, Binoy Krishna (2009–2013) (Chemistry)
283. Saha, Dipankar (2011–2014) (Engineering & Technology)
284. Sahu, Kirti Chandra (2012–2015) (Engineering & Technology)
285. Saikia, Dhruva Jyoti (1986–91) (Physics)
286. Saluja, Daman (1990–94) (Plant Sciences)
287. Sampathkumaran, Echur Varadadesikan (1987–89) (Physics)
288. Samuel, Joseph (1985–90) (Physics)
289. Sandeep, Kunnath (2008–2011) (Mathematical Sciences)

290. Sankar, G. (1988–93) (Chemistry)
291. Sarkar, Chitra (1987–90) (Medicine)
292. Sarkar, Ram Rup (2006–09) (Animal Sciences)
293. Sarma, Dipankar Das (1987–90) (Chemistry)
294. Satheesh, Sreedharan Krishnakumari (2001–05)
(Earth & Planetary Sciences)
295. Sathyamurthy, Narayanasami (1983–86) (Chemistry)
296. Saxena, Manoj (2009–2012) (Engineering & Technology)
297. Sekhar, Jainagesh Akkaraju (1986–91) (Engineering & Technology)
298. Sen, Ashoke (1988–91) (Physics)
299. Senthil Kumar, Perumal (2007–2010)(Earth & Planetary Sciences)
300. Sengupta, Surajit (1994–97) (Physics)
301. Seshadri, Ram (1999–2002) (Chemistry)
302. Seshasayee, Aswin Sai Narain (2013–2018) (General Biology)
303. Shah, Nimish A. (1993–98) (Mathematical Sciences)
304. Shalivahan (2002–2006) (Earth & Planetary Sciences)
305. Shankar, Viswanathan (2004–2007) (Chemistry)
306. Shankaranarayanan, Subramaniam (2010–2013) (Physics)
307. Sharma, Mahak (2015–2018) (Animal Sciences)
308. Sharma, Vijay Kumar (1998–2002) (Animal Sciences)
309. Shenoy, Aroon Vasudev (1985–88) (Engineering & Technology)
310. Shenoy, Vijay Balakrishna (2001–2005)
(Engineering & Technology)
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- (c) preparation of articles and position papers for publication, and
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	Name	Tel. Office	Email
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2.	Jaya N Iyer IMSc, Chennai	(044) 2254 3306	jniyer@imsc.res.in
3.	Rahul Mukerjee IIM, Kolkata	(033) 2467 8300/ 173	rmuk0902@gmail.com
4.	Mukund Madhavan CMI, Chennai	(044) 7196 1023	madhavan@cmi.ac.in
5.	A K Pani IIT, Mumbai	(022) 2576 7481	akp@math.iitb.ac.in
6.	A Raghuram IISER, Pune	(020) 2590 8103	raghuram@iiserpune.ac.in
7.	V Srinivas TIFR, Mumbai	(022) 2278 2217	srinivas@math.tifr.res.in
8.	Kaushal Verma IISc, Bengaluru	(080) 2293 3216	kverma@iisc.ac.in

II. *Physics*

	Name	Tel. Office	Email
1.	K S Narayan JNCASR, Bengaluru (<i>Convener</i>)	(080) 2208 2822	narayan@jncasr.ac.in

2.	J N Chengalur NCRA, Pune	(020) 2571 9248	chengalur@ncra.tifr.res.in
3.	Amol Dighe TIFR, Mumbai	(022) 2278 2423	amol@theory.tifr.res.in
4.	Arindam Ghosh IISc, Bengaluru	(080) 2293 3288	arindam@iisc.ac.in
5.	Sanjay Jain Univ. of Delhi, Delhi	(011) 2766 7725/ 1342	jain@physics.du.ac.in
6.	G Ravindra Kumar TIFR, Mumbai	(022) 2278 2381	grk@tifr.res.in
7.	Krishnendu Sengupta IACS, Kolkata	(033) 2473 4971/ 2192	tpks@iacs.res.in
8.	Annapurni Subramaniam IIA, Bengaluru	(080) 2254 1318	purni@iiap.res.in

III. Chemistry

	Name	Tel. Office	Email
1.	A Ajayaghosh NIIST, Thiruvananthapuram (Convener)	(0471) 249 3599 (0471) 249 0324	ajayaghosh@niist.res.in
2.	Ashok K Ganguli IIT, New Delhi	98104 64112	ashok@chemistry.iitd.ac.in
3.	H N Ghosh INST, Mohali	(0172) 221 0075	hngghosh@inst.ac.in hngghosh2004@yahoo.com
4.	Rama Kant Univ. of Delhi, Delhi	(011) 2766 6646/ 188	rkant@chemistry.du.ac.in
5.	Chitra Mandal IICB, Kolkata	(033) 2499 5717	chitra_mandal@yahoo.com cmandal@iicb.res.in
6.	J Narasimha Moorthy IIT, Kanpur	(0512) 259 7438	moorthy@iitk.ac.in
7.	D S Pandey BHU, Varanasi	(0542) 670 2480	dspbhu@bhu.ac.in
8.	Swapan K Pati JNCASR, Bengaluru	(080) 2208 2839	pati@jncasr.ac.in
9.	Amitava Patra IACS, Kolkata	(033) 2473 4971	msap@iacs.res.in

IV. **Engineering & Technology**

	Name	Tel. Office	Email
1.	Jayant R Haritsa IISc, Bengaluru (Convener)	(080) 2293 2793	jharitsa@gmail.com
2.	Subhasish Dey IIT, Kharagpur	(03222) 28 3418	sdey@iitkgp.ac.in
3.	Pradip Dutta IISc, Bengaluru	(080) 2293 3225	pradip@iisc.ac.in
4.	Subir K Ghosh Vivekananda Univ., Howrah	(033) 2654 9999	ghosh@tifr.res.in
5.	Indranil Manna IIT, Kharagpur	(03222) 28 3266	imanna@metal.iitkgp.ac.in
6.	A B Pandit Inst. of Chemical Technology, Mumbai	(022) 3361 1111-2	dr.pandit@gmail.com ab.pandit@ictmumbai.edu n
7.	Bhim Singh IIT, New Delhi	(011) 2659 1045	bsingh@ee.iitd.ac.in bhimsinghr@gmail.com
8.	P Vijay Kumar IISc, Bengaluru	(080) 2293 3155	pvk@iisc.ac.in

V. **Medicine**

	Name	Tel. Office	Email
1.	Gagandeep Kang CMC, Vellore (Convener)	(0416) 228 2052	gkang@cmcvellore.ac.in gkang@thsti.res.in
2.	Amita Aggarwal SGPGI, Lucknow	(0522) 249 4296	amita@sgpgi.ac.in
3.	Anirban Basu NBRC, Manesar	(0124) 284 5225	anirban.nbrc@gmail.com
4.	Mitali Chatterjee IPGMER, Kolkata	(033) 2204 1428	ilatim@vsnl.net ilatimc@gmail.com
5.	Ravinder Goswami AIIMS, New Delhi	(011) 2659 4272	gosravinder@hotmail.com
6.	Vikram Mathews CMC, Vellore	(0416) 228 2891	vikram@cmcvellore.ac.in vmathews6698@gmail.com
7.	M Radhakrishna Pillai RGCB, Thiruvananthapuram	(0471) 234 7973 (0471) 234 1716	mrpillai@rgcb.res.in
8.	Shyam Sundar BHU, Varanasi	(0542) 236 9632	drshyamsundar@hotmail.com

VI. *Earth & Planetary Sciences*

	Name	Tel. Office	Email
1.	S K Satheesh IISc, Bengaluru (<i>Convener</i>)	(080) 2293 3070	profsks@gmail.com satheesh@iisc.ac.in
2.	Archana Bhattacharyya IIT, Mumbai	96195 43004	abh@iigs.iigm.res.in
3.	Amit K Patra NARL, Tirupati	(08585) 27 2001	akpatra@narl.gov.in
4.	N V Chalapathi Rao BHU, Varanasi	99356 47365	nvcr100@gmail.com nvcrao@bhu.ac.in
5.	V V S S Sarma NIO, Visakhapatnam	(0891) 253 9180	sarmav@nio.org
6.	Pulak Sengupta Jadavpur Univ., Kolkata	97483 59495	pulaksg@gmail.com
7.	Sunil K Singh NIO, Dona Paula	(0832) 245 0500	sunil@nio.org
8.	Ram Ratan Yadav WIHG, Dehra Dun	94503 94957	rryadav2000@gmail.com

VII. *Animal/Plant Sciences*

	Name	Tel. Office	Email
1.	Aparna Dutta Gupta Univ. of Hyderabad, Hyderabad (<i>Convener-Animal Sci.</i>)	(040) 2313 4560	apdgsi@uohyd.ernet.in
2.	Ramesh Sonti NIPGR, New Delhi (<i>Convener-Plant Sci.</i>)	(011) 2674 2267	sonti@nipgr.ac.in director@nipgr.ac.in
3.	Maneesha S Inamdar JNCASR, Bengaluru	(080) 2208 2818	inamdar@jncasr.ac.in
4.	Subeer S Majumdar NIAB, Hyderabad	(040) 2312 0102	subeer@niab.org.in
5.	N B Ramachandra Univ. of Mysore, Mysore	(0821) 241 9781 (0821) 241 9888	nallurbr@gmail.com ramachandra@genetics. uni-mysore.ac.in
6.	Susanta Roychoudhury SGCCRI, Kolkata	(033) 2453 2781- 83/2115	susantarc@gmail.com
7.	Maitrayee DasGupta Univ. of Calcutta, Kolkata	(033) 2461 4714	maitrayee_d@hotmail.com

- | | | | |
|----|--|-----------------|-----------------------|
| 8. | Paramjit Khurana
Univ. of Delhi, Delhi | (011) 2411 5096 | param@genomeindia.org |
| 9. | R Uma Shaanker
Univ. of Agricultural
Sciences, Bengaluru | (080) 2363 6713 | umashaanker@gmail.com |

VIII. *General Biology*

	Name	Tel. Office	Email
1.	Umesh Varshney IISc, Bengaluru (<i>Convener</i>)	(080) 2360 0169 (080) 2293 2686	varshney@iisc.ac.in
2.	Anand K Bachhawat IISER, Mohali	98882 24948	anand@iisermohali.ac.in
3.	Hemalatha Balam JNCASR, Bengaluru	(080) 2208 2812	hb@jncasr.ac.in
4.	Nagasuma Chandra IISc, Bengaluru	(080) 2293 2892	nchandra@iisc.ac.in
5.	Anuradha Lohia Presidency University, Kolkata	98310 79838	amoeba22@gmail.com vc@presiuniv.ac.in
6.	Roop Mallik TIFR, Mumbai	(022) 2278 2702	roop@tifr.res.in
7.	Amit P Sharma ICGEB, New Delhi	(011) 2674 1731	amit.icgeb@gmail.com
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3.	Dipankar Chatterji IISc, Bengaluru	(080) 2293 2836 (080) 2360 0137	dipankar@iisc.ac.in
4.	M S Raghunathan Mumbai	Tel. Res. (022) 2550 4766	msr@math.iitb.ac.in adabusisr@gmail.com
5.	T V Ramakrishnan IISc, Bengaluru	(080) 2293 2581	tvrama2002@yahoo.co.in tvrama@physics.iisc.ernet.in
6.	R Ramaswamy IIT, New Delhi	(011) 2659 7969	ramaswamy@chemistry. iitd.ac.in r.ramaswamy@gmail.com
7.	C N R Rao JNCASR, Bengaluru	(080) 2365 3075 (080) 2208 2761	cnrrao@jncasr.ac.in
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3.	Rohini Godbole IISc, Bengaluru	(080) 2293 2845 (080) 2360 7798	rohini@iisc.ac.in godbolerm@gmail.com
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5. Nitin Chattopadhyay Jadavpur Univ., Kolkata	(033) 2457 2776	nitin.chattopadhyay@ yahoo.com
6. Arun K Grover Punjab Engg. College, Chandigarh		arunkgrover@gmail.com
7. Indranil Manna IIT, Kharagpur	(03222) 28 3266	imanna@metal.iitkgp.ac.in im_kgp@yahoo.co.in
8. C Narayana JNCASR, Bengaluru	(080) 2208 2810	cbhas@jncasr.ac.in
9. Sourav Pal IISER, Mohanpur	(033) 6634 0012	s.pal@iiserkol.ac.in director@iiserkol.ac.in
10. Dhananjai Pandey IIT, Varanasi	(0542) 236 8106, (0542) 670 2078	dpandey_bhu@ yahoo.co.in
11. T Pradeep IIT, Chennai	(044) 2257 4208	pradeep@iitm.ac.in
12. K N Raghavan IMSc, Chennai	(044) 2254 3264	knr@imsc.res.in knr.imsc@gmail.com
13. G Rajasekaran IMSc, Chennai	(044) 2254 3206	graj@imsc.res.in
14. Pulak Sengupta Jadavpur Univ., Kolkata	97483 59495	pulaksg@gmail.com
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16.	Madhu Dikshit THSTI, Faridabad	94151 11766	drmadhudikshit@gmail.com
17.	I B S Passi Panjab Univ., Chandigarh	98724 48638	ibspassi@yahoo.co.in passi@pu.ac.in
18.	Diptiman Sen IISc, Bengaluru	(080) 2293 2974	diptiman@iisc.ac.in
19.	K D Sen Univ. of Hyderabad, Hyderabad	(040) 2313 4809	kds77@uohyd.ac.in kalidas.sen@gmail.com

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21.	Paramjit Khurana Univ. of Delhi, Delhi	(011) 2411 5096	param@genomeindia.org
22.	Swapan K Ghosh Univ. of Mumbai, Mumbai	92229 89108	swapankghosh@gmail.com
23.	Gadadhar Misra IISc, Bengaluru	(080) 2293 2712	gadadhar.misra@gmail.com gm@iisc.ac.in

PANEL ON SCIENTIFIC VALUES

	Name	Tel. Off.	Email
1.	Sunil Mukhi IISER, Pune (<i>Chairperson</i>)	(020) 2590 8116	sunil.mukhi@gmail.com
2.	Subhasis Chaudhuri IIT, Mumbai	(022) 2576 7001	sc@ee.iitb.ac.in
3.	Chanda J. Jog IISc, Bengaluru	(080) 2293 3285 (080) 2360 7703	cjjog@iisc.ac.in
4.	Mj Mahan TIFR, Mumbai	(022) 2278 2648	mahan.mj@gmail.com mahan@math.tifr.res.in
5.	D S Ray IACS, Kolkata	(033) 2473 5374	pcdsr@iacs.res.in
6.	Jaya S. Tyagi AIIMS, New Delhi	(011) 2659 3306	jstyagi@aiims.edu jstyagi@gmail.com

PANEL ON WOMEN IN SCIENCE

Name	Tel. Off.	Email
1. Shubha Tole TIFR, Mumbai (<i>Chairperson</i>)	(022) 2278 2878	shubhatole@gmail.com
2. Shinjini Bhatnagar THSTI, Faridabad	(0129) 287 6351	shinjini.bhatnagar@ thsti.res.in
3. Rohini M Godbole IISc, Bengaluru	(080) 2293 2845 (080) 2360 7798	rohini@iisc.ac.in
4. Maneesha Inamdar JNCASR, Bengaluru	(080) 2208 2818	inamdar@jncasr.ac.in
5. Deepa Khushalani TIFR, Mumbai	(022) 2278 2476/ 2756	khushalani@tifr.res.in
6. L S Shashidhara IISER, Pune	(020) 2590 8001	ls.shashidhara@ashoka. edu.in

FINANCE COMMITTEE

Name	Tel. Off.	Email
1. V A Raghunathan RRI, Bengaluru (<i>Chairperson</i>)	94808 36154	varaghu@rri.res.in
2. Renee Borges IISc, Bengaluru	(080) 2360 2972 (080) 2293 3103	renee@iisc.ac.in
3. Financial Adviser & Joint Secretary, DST		fa-dst@nic.in fa-moes@nic.in
4. R Varadarajan IISc, Bengaluru	(080) 2293 2612	varadar@iisc.ac.in
5. Umesh V Waghmare JNCASR, Bengaluru	(080) 2208 2842	waghmare@jncasr.ac.in
6. Executive Secretary	(080) 2266 1203	execsec@ias.ac.in

STANDING COMMITTEE ON STAFF

Name	Tel. Off.	Email
1. Dipankar Chatterji IISc, Bengaluru	(080) 2360 0137 (080) 2293 2836	dipankar@iisc.ac.in
2. V Nagaraja IISc, Bengaluru	(080) 2293 2598	vraj@iisc.ac.in
3. J Srinivasan IISc, Bengaluru	(080) 2293 3068	jayes@iisc.ac.in
4. Uday Maitra IISc, Bengaluru	(080) 2360 1968 (080) 2293 2690	maitra@iisc.ac.in maitrau@gmail.com
5. Renee Borges IISc, Bengaluru	(080) 2360 2972 (080) 2293 3103	renee@iisc.ac.in

Section F

Publications

JOURNALS' DETAILS

Journal	Vol. No. in 2020	E-mail (journal_id)*
1. Bulletin of Materials Science	43	matersci
2. Dialogue: Science, Scientists, and Society (online journal)	3	dialogue
3. IASc Conference Series (online journal)	3	confser
4. Journal of Astrophysics & Astronomy	41	jaa
5. Journal of Biosciences	45	jbiosci
6. Journal of Chemical Sciences (formerly Proceedings: Chemical Sciences)	132	chemsci
7. Journal of Earth System Science (formerly Proceedings: Earth & Planetary Sciences)	129	jess
8. Journal of Genetics	99	jgenet
9. Pramana (Journal of Physics)	94	pramana
10. Proceedings (Mathematical Sciences)	130	mathsci
11. Resonance – Journal of Science Education (12 issues)	25	resonanc
12. Sadhana – Academy Proceedings in Engineering Sciences	45	sadhana
13. Current Science (published by the Current Science Association in collaboration with the Academy)	118, 119 (24 issues)	currsci

The scope of each journal, information to contributors and subscription details are indicated in the journals. From January 2020, the journals have moved to continuous article publishing (CAP) mode and hence, no print issues will be available except for Resonance and Current Science. The journal will be accessed online only. More information is available on the respective journal home pages (see Academy website <http://www.ias.ac.in/Journals/Overview/>) which also include full text of published articles available for free access.

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*journal_id@ias.ac.in; (e.g. chemsci@ias.ac.in)

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4.	A K Ganguli IIT, New Delhi	(011) 2659 1654 (Res)	ashok@chemistry.iitd.ac.in
5.	Ashok M Raichur IISc, Bengaluru	-	amr@iisc.ac.in
6.	M Ghanashyam Krishna Univ. of Hyderabad, Hyderabad	(040) 2313 4382	mgksp@uohyd.ac.in
7.	S Krishna Prasad CeNS, Bengaluru	(080) 2308 4219	skprasad@cens.res.in
8.	Rabibrata Mukherjee IIT, Kharagpur	(03222) 28 3912	rabibrata@che.iitkgp.ac.in
9.	Amitava Patra IACS, Kolkata	(033) 2473 4971	amitavapatra.patra@gmail.com
10.	M V Sangaranarayanan, IIT, Chennai	(044) 2257 4209	sangara@iitm.ac.in
11.	Avesh K Tyagi BARC, Mumbai	(022) 2559 5330	aktyagi.barc@gmail.com
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10.	Anand K Bachhawat IISER, Mohali		anand@iisermohali.ac.in
11.	Abhishek Dey IACS, Kolkata	(033) 2473 4971 (Ext 1366)	icad@iacs.res.in
12.	Suman Beri, Panjab University, Chandigarh	88473 00688	suman.beri@gmail.com
13.	Sujata Deshpande St. Xavier's College, Mumbai	(022) 2262 0661/ 2/3	d.sujata@gmail.com
14.	K Indulekha Mahatma Gandhi University, Kottayam	(0481) 273 1043	indulekha@mgu.ac.in
15.	Manjari Jain IISER, Mohali	(0172) 224 0293	manjari@iisermohali.ac.in
16.	Lilavati Krishnan Indore	(0731) 256 5552	lk@iitk.ac.in

17. Govind S Krishnaswami (044) 7196 1011 govind@cmi.ac.in
CMI, Chennai
18. G Kumaraswamy (020) 2590 2182 guruswamy@iitb.ac.in
NCL, Pune
19. Sudeshna Mazumdar- (011) 2753 1111 smazumdar@botany.du.ac.in,
Leighton, University of smceres21@yahoo.co.in
Delhi, Delhi
20. Madhavan Mukund (044) 7196 1023 madhavan@cmi.ac.in
CMI, Chennai
21. Nandini Nagarajan (040) 2711 1272 nandini_ngri@yahoo.com
NGRI, Hyderabad
22. Bodhisatta Nandy (0680) 222 7755 nandy@iiserbpr.ac.in
IISER, Berhampur
23. Kapil H Paranjape (0172) 224 3110 kapil@iisermohali.ac.in
IISER, Mohali
24. Sindhu Radhakrishna (080) 2218 5115 sindhu@nias.res.in
NIAS, Bengaluru
25. Amit Roy (033) 2511 1111 amitroy1948@gmail.com
IACS, Kolkata
26. D J Saikia (020) 2571 9000 djs@ncra.tifr.res.in
NCRA, Pune
27. T R Seshadri (011) 2753 1111 trs@physics.du.ac.in
University of Delhi,
Delhi
28. Shailesh A Shirali (02135) 228008/ shailesh@sahyadrischool.org
Sahyadri School KFI, 009
Pune
29. Ramanujam Srinivasan (0674) 249 4213 rsrini@niser.ac.in
NISER, Bhubaneswar
30. Susanta Mahapatra (040) 2313 4826 susanta.mahapatra@uohyd
University of .ac.in
Hyderabad
31. Raghunand R Tirumalai (040) 271602924 raghu@ccmb.res.in
CCMB, Hyderabad
32. A R Usha Devi (080) 2296 1488 ushathirthahalli@gmail.com
Bangalore University,
Bengaluru

Sadhana — Academy Proceedings in Engineering Sciences

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<i>Associate Editors</i>			
8.	Amit Agrawal IIT, Mumbai	(022) 2576 7516	amit.agrawal@iitb.ac.in
9.	T N C Anand IIT, Chennai	(044) 2257 4715	anand@iitm.ac.in
10.	Ramesh N Babu IIT, Chennai	(044) 2257 4675	nrbabu@iitm.ac.in
11.	S Bandyopadhyay IIT, Chennai	(044) 2257 4733	sandipan@iitm.ac.in
12.	V Sudhir Kumar Barai IIT, Kharagpur	(03222) 28 3408	skbarai@civil.iitkgp.ac.in
13.	Sumit Basu, IIT, Kanpur	(0512) 259 7506	sbasu@iitk.ac.in
14.	Anup Bhattacharjee BARC, Mumbai		anup.bhattacharjee@gmail.com
15.	Somenath Biswas IIT, Goa	(0832) 249 0858	sb@iitgoa.ac.in, sb@cse.iitk.ac.in
16.	Rajat Subhra Chakraborty IIT, Kharagpur	(03222) 28 1792	rschakraborty@cse.iitkgp.ac.in
17.	Uday Chakkingal IIT Madras	914422574775	udaychak@iitm.ac.in

18.	J M Chandra Kishen IISc, Bengaluru	(080) 2293 3117	chandrak@iisc.ac.in
19.	Nibaran Das Jadavpur University	913324572407	nibaran.das@ jadavpuruniversity.in
20.	Sukhendu Das IIT, Chennai	(044) 2257 4367	sdas@iitm.ac.in
21.	Amitava De IIT, Mumbai	(022) 25767509	amit@iitb.ac.in
22.	Rajat K De ISI, Kolkata	(033) 2575 3105	rajat@isical.ac.in
23.	Anupam Dewan IIT, New Delhi	(011) 2659 1217	adewan@am.iitd.ac.in
24.	Sumantra Dutta Roy IIT, New Delhi	(011) 2659 1084	sumantra@ee.iitd.ac.in
25.	Asif Ekbal, IIT, Patna	(0612) 302 8090	asif@iitp.ac.in
26.	Vinod Ganapathi IISc, Bengaluru	(080) 2293 3204	vg@iisc.ac.in
27.	Ashutosh S Gandhi IIT, Mumbai	(022) 2576 7614	agandhi@iitb.ac.in
28.	G R Gangadharan NIT, Trlchy	(0431) 250 3737	ganga@nitt.edu
29.	Niloy Ganguly IIT, Kharagpur	(03222) 28 3460	niloy@cse.iitkgp.ac.in
30.	Utpal Garain ISI, Kolkata	913325773035	utpal@isical.ac.in
31.	Ashish Ghosh ISI, Kolkata	(033) 2575 3110/ 2232	ashisi@gmail.com
32.	R K Ghosh IIT, Kanpur	(0512) 259 7645	rkg@cse.iitk.ac.in
33.	Sudarsan Ghosh IIT Delhi	(91)1126591089	ghoshs@mech.iitd.ac.in
34.	A Goswami IIT, Kharagpur	(03222) 28 3650	goswami@maths.iitkgp.ac.in
35.	Sanjeev Kumar Gupta IISc, Bangalore	080-2293 3110	sanjeev@iisc.ac.in
36.	Sayan Gupta IIT Chennai	4422574055	sayan@iitm.ac.in
37.	G Gurunath IISc, Bengaluru	(080) 2293 3556	gurunath@iisc.ac.in
38.	Kamalesh Hatua IIT, Chennai	(044) 2257 4475	kamalesh@ee.iitm.ac.in
39.	N Hemachandra IIT, Mumbai	(022) 2576 7885	nh@iitb.ac.in

40.	Mandar M Inamdar IIT Bombay	222576 7314	minamdar@iitb.ac.in
41.	Lillykutty Jacob NIT, Calicut	(0495) 228 6718	lilly@nitc.ac.in
42.	Aditya K Jagannatham IIT, Kanpur	(0512) 259 7494	adityaj@iitk.ac.in
43.	G R Jayanth IISc, Bengaluru	(080) 2293 3197	jayanth@isu.iisc.ac.in
44.	C S Jog IISc, Bengaluru	(080) 2293 2957	jogc@iisc.ac.in
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46.	Kishore Kothapalli IIIT, Hyderabad	(040) 6653 1151	kkishore@iiit.ac.in
47.	Anil Kulkarni IIT, Mumbai	(022) 2576 7416	anil@ee.iitb.ac.in
48.	S K Maiti, IIT, Mumbai	(022) 2576 7526	skmaiti@me.iitb.ac.in
49.	Pradipta Maji ISI, Kolkata	91-33-2575- 3125/3113	pmaji@isical.ac.in
50.	Puneet Mahajan IIT, Delhi	(91)-11-2659 1229	Puneet.Mahajan@am.iitd. ac.in
51.	M Maiya Prakash IIT, Chennai	(044) 2257 4665	mpmaiya@iitm.ac.in
52.	Santanu Mahapatra IISc, Bengaluru	91 80 23600810 Ext 116	santanu@iisc.ac.in
53.	Joseph Mathew IISc, Bengaluru	(080) 2293 3027	joseph@iisc.ac.in
54.	Anish Mathuria DAIICT, Gandhinagar	(079) 3051 0541	anish_mathuria@daiict.ac.in
55.	Jacob T Matthew IISc, Bengaluru	(080) 2293 2774	mjt@iisc.ac.in
56.	Ujjwal Maulik, Jadavpur University, Kolkata	(033) 2457 2802	ujjwal_maulik@yahoo.com
57.	Dsouza Meenakshi IIIT, Bengaluru	(080) 4140 7777	meenakshi@iiitb.ac.in
58.	Rahul Mitra IIT, Kharagpur	(03222) 28 3292	rahul@metal.iitkgp.ac.in
59.	Sanjay Mittal IIT Kanpur	(0512) 2597906	smittal@iitk.ac.in
60.	Debdeep Mukhopadhyay IIT, Kharagpur	(03222) 28 2352	debdeep@iitkgp.ac.in
61.	Sudipta Mukhopadhyay IIT, Kharagpur	(03222) 28 3568	smukho@ece.iitkgp.ac.in

62.	B S Murty IIT, Hyderabad	(040) 2301 6001	bsm@iith.ac.in
63.	N V Narendra Kumar IDRBT, Hyderabad	(040) 2329 4062	nvnarendra@idrbt.ac.in; naren.nelabhotla@gmail.com
64.	Sudip Kumar Naskar Jadavpur university	91-33-24146648	sudipkumar.naskar@ jadavpuruniversity.in
65.	Arpita Patra IISc, Bengaluru	(080) 2293 3566	arpita@iisc.ac.in
66.	Satya Peri IIT, Hyderabad	(040) 2301 8446	sathya_p@iith.ac.in
67.	K Rajagopal IIT, Chennai	(044) 2257 4263	gopalkr@iitm.ac.in
68.	A G Ramakrishnan IISc, Bengaluru	(080) 2293 2556	agr@iisc.ac.in
69.	R Ramanujam IMSc, Chennai	(044) 2254 3269	jam@imsc.res.in
70.	Ananth Ramaswamy IISc, Bengaluru	(080) 2293 2817	ananth@iisc.ac.in
71.	Shrisha Rao IIIT, Bengaluru	(080) 4140 7777	srao@iiitb.ac.in
72.	Indradev Samajdar IIT, Mumbai	912225767621	indra@iitb.ac.in
73.	Sonalisa Ray IIT, Roorkee	912575 2208	sonarfce@iitr.ac.in
74.	Subhra Shankar Ray ISI, Kolkata	1332-28-5673	shubhra@isical.ac.in
75.	Ravi Shankar IIT, New Delhi	(011) 2659 6421	ravi1@dms.iitd.ac.in
76.	U Saravanan IIT, Chennai	(044) 2257 4314	saran@iitm.ac.in
77.	Santonu Sarkar BITS, Pilani	(0832) 258 0212	santonus@ goa.bits-pilani.ac.in
78.	T Sundarajan IIT, Madras	44 2257 4683	tsundar@iitm.ac.in
79.	Aravind Krishna Swamy, IIT, Delhi	(91)-11-2659- 1191	akswamy@civil.iitd.ac.in
80.	Yogesh C Sharma IIT-BHU, Varanasi	(0542) 670 2865	ysharma.apc@iitbhu.ac.in
81.	B N Singh IIT, Kharagpur	(03222) 28 3026	bnsingh@aero.iitkgp.ac.in
82.	Y N Srikant IISc, Bengaluru	(080) 2293 2771	srikant@iisc.ac.in
83.	Srinath Srinivasa IIIT, Bengaluru	(080) 2852 7627	sri@iiitb.ac.in

- | | | | |
|-----|--|-----------------|-----------------------------|
| 84. | S D Sudarsan
ABB Corporate
Research, Bengaluru | (080) 4952 8276 | sudarsan.sd@in.abb.com |
| 85. | Shamik Sural
IIT, Kharagpur | (03222) 28 2330 | shamik@cse.iitkgp.ac.in |
| 86. | Somanath Tripathy
IIT, Patna | (0612) 302 8036 | somanath.tripathy@gmail.com |
| 87. | S V Veeravalli
IIT, New Delhi | (011) 2659 1182 | svrvalli@am.iitd.ac.in |

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<i>Section Editors</i>			
2.	E Arunan IISc, Bengaluru	(080) 2293 2828	arunan@iisc.ac.in
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4.	K N Ganेशaiah Bengaluru		knganेशaiah@gmail.com
5.	Gaiti Hasan NCBS, Bengaluru	(080) 2366 6140	gaiti@ncbs.res.in
6.	Gopalan Jagadeesh IISc, Bengaluru	(080) 2293 3030	jaggie@iisc.ac.in
7.	P C Kesavan Chennai		pckamalam38@gmail.com

- | | | | |
|-----|--|-----------------|----------------------|
| 8. | Ravi Korisettar
Karnatak University,
Dharwad | (0836) 2215376 | korisettar@gmail.com |
| 9. | R R Navalgund
Bengaluru | | navalrr@gmail.com |
| 10. | G Rangarajan
IISc, Bengaluru | (080) 2360 0373 | rangaraj@iisc.ac.in |
| 11. | R Srinivasan
IISc, Bengaluru | (080) 2293 3426 | srinimalu@gmail.com |
| 12. | M H Bala
Subrahmanya,
IISc, Bengaluru | (080) 2293 3266 | bala@iisc.ac.in |

Subject Editors

Agricultural & Horticultural Sciences and Sustainability

- | | | | |
|-----|---|------------------------------|----------------------------|
| 13. | M Anandraj, Bengaluru | | arajiisr@gmail.com |
| 14. | Andreas Buerkert
University of Kassel,
Germany | +49 5542-
98.1229 | buerkert@uni-kassel.de |
| 15. | K N Ganeshaiyah
Bengaluru | | knganeshaiyah@gmail.com |
| 16. | P C Kesavan
Chennai | | pckamalam38@gmail.com |
| 17. | R L Ravikumar
University of
Agricultural Sciences,
Bengaluru | (080) 2333 0153,
Extn 263 | rlravikumar@rediffmail.com |

Archaeology

- | | | | |
|-----|--|----------------|----------------------|
| 18. | Ravi Korisettar
Karnatak University,
Dharwad | (0836) 2215376 | korisettar@gmail.com |
|-----|--|----------------|----------------------|

Atmospheric Sciences

- | | | | |
|-----|---|------------------------|--------------------------------|
| 19. | K Krishnamoorthy
IISc, Bengaluru | (080) 2293
2505/208 | krishnamoorthyspl@gmail.com |
| 20. | Anil V Kulkarni
IISc, Bengaluru | (080) 2293 3429 | anilkulkarni@iisc.ac.in |
| 21. | A R Ravishankara
Colorado State
University, USA | +1 970 491 2876 | a.r.ravishankara@colostate.edu |
| 22. | S K Satheesh
IISc, Bengaluru | (080) 2293 3070 | satheesh@iisc.ac.in |
| 23. | J Srinivasan
IISc, Bengaluru | (080) 2293 3068 | jayes@iisc.ac.in |

Biology

24. K Chandrashekara (080) 2333 0153, kchandra58@gmail.com
University of Extn. 288
Agricultural Sciences,
GKVK, Bengaluru
25. Sorab Dalal, Advanced (022) 2740 5007 sdalal@actrec.gov.in
Centre for Treatment,
Research and
Education in Cancer,
Navi Mumbai
26. Vinita Gowda (0755) 669 2578 gowdav@iiserb.ac.in
IISER, Bhopal
27. Saman Habib (0522) 277 2477/ saman_habib@cdri.res.in
CDRI, Lucknow 4447
28. Gaiti Hasan (080) 2366 6140 gaiti@ncbs.res.in
NCBS, Bengaluru
29. N V Joshi (080) 2360 0985 nvjoshi@iisc.ac.in
IISc, Bengaluru
30. Ullasa Kodanda- (0471) 277 8068 ullasa@iisertvm.ac.in
ramaiah, IISER,
Thiruvananthapuram
31. Vinod Kumar (011) 2766 7985, vkumar@zoology.du.ac.in
University of Delhi, Extn. 212
Delhi
32. Subhash Rajpurohit subhash.rajpurohit@ahduni.edu.in
Ahmedabad University,
Ahmedabad
33. V V Ramamurthy (011) 2584 2482 vvrento@gmail.com
IARI, New Delhi
34. Girish Ratnaparkhi girish@iiserpune.ac.in
IISER, Pune
35. V V Robin (0877) 2500 443 robin@iisertirupati.ac.in
IISER, Tirupati
36. Gayatri Saberwal gayatri@ibab.ac.in
IBAB, Bangalore
37. M Sanjappa sanjappam@ymail.com
Bengaluru
38. L S Shashidhara (020) 2590 8001 ls.shashidhara@ashoka.edu.in
IISER, Pune
39. Yogesh Shouche (020) 2570 8052 yogesh@nccs.res.in
NCCS, Pune
40. Hema Somanathan (0471) 259 9417 hsomanathan@iisertvm.ac.in
IISER,
Thiruvananthapuram

Chemistry

41. E Arunan (080) 2293 2828 arunan@iisc.ac.in
IISc, Bengaluru
42. Srinivasan Natarajan (080) 2293 2551 snatarajan@iisc.ac.in
IISc, Bengaluru
43. N Sathyamurthy (080) 2208 2750 nsathyamurthy@gmail.com
JNCASR, Bengaluru
44. Richard N. Zare (650) 723-3062 zare@stanford.edu
Stanford University, USA

Computer Science

45. Viraj Kumar viraj@iisc.ac.in
IISc, Bengaluru

Earth System Sciences

46. Sunil Bajpai (01332) 28 5232 sunilbajpai2001@yahoo.com
IIT, Roorkee
47. S Balakrishnan (0413) 265 4424 balakrishnan.srinivasan@
Pondicherry University, gmail.com
Puducherry
48. Somnath Dasgupta somnathdasg@gmail.com
Kolkata
49. Saibal Gupta (0322) 228 3370 saibl@gg.iitkgp.ac.in
IIT, Kharagpur
50. K S Krishna (040) 2313 2669 krishna@uohyd.ac.in
University of
Hyderabad, Hyderabad
51. Biswajit Mishra (0322) 283372 bmgg@gg.iitkgp.ac.in
IIT, Kharagpur
52. Malay Mukul (022) 2576 7260 malaymukul@iitb.ac.in
IIT, Mumbai
53. Rajeev Patnaik, Panjab (0172) 253 4250 rajeevpatnaik@gmail.com
University, Chandigarh
54. G V R Prasad (011) 2766 7073 guntupalli.vrprasad@gmail.com
University of Delhi,
Delhi
55. N V Chalapathi Rao (0542) 670 1817 nvcr100@gmail.com
BHU, Varanasi
56. Dilip Saha, ISI, Kolkata (033) 2575 3159 dsaha@isical.ac.in
57. Rajiv Sinha, IIT, Kanpur (0512) 2597317 rsinha@iitk.ac.in
58. R Srinivasan (080) 2293 3426 srinimalu@gmail.com
IISc, Bengaluru

Engineering

59. Gopalan Jagadeesh (080) 2293 3030 jaggie@iisc.ac.in
IISc, Bengaluru

60. Sukumar Mishra (011) 2659 1074 sukumar@ee.iitd.ac.in
IIT, New Delhi
61. G Prathap (0471) 278 5627 gangan@vidyaacademy.ac.in
Vidya Academy of
Science and
Technology, Thrissur
62. K Ramamurthy (044) 2257 4265 vivek@iitm.ac.in
IIT, Chennai
63. Saragur M Srinidhi (080) 2360 7142 ssrinidhi@accsindia.org
Advanced Computing
and Communications
Society, Bengaluru
64. V V Srinivas (080) 2293 2641 vvs@iisc.ac.in,
IISc, Bengaluru vvsrinivas@yahoo.com
65. Satyam Suwas (080) 2293 3245 satyamsuwas@iisc.ac.in
IISc, Bengaluru
66. Shivam Tripathi (0512) 259 6709 shiva@iitk.ac.in
IIT, Kanpur

History and Philosophy of Science

67. Dhruv Raina (011) 2670 4418 dhruv@mail.jnu.ac.in
JNU, New Delhi

Management Studies

68. M H Bala Subrahmanya (080) 2293 3266 bala@iisc.ac.in
IISc, Bengaluru

Mathematics

69. G Rangarajan (080) 2360 0373 rangaraj@iisc.ac.in
IISc, Bengaluru

Medical Sciences

70. Sandeep M Eswarappa (080) 2293 2881 sandeep@iisc.ac.in
IISc, Bengaluru
71. Lakshmanan lakshmanan.krishnamurti@
Krishnamurti, choa.org
Emory University, USA
72. Indraneel Mitra (022) 2740 5136 indraneel.mitra@gmail.com
Tata Memorial Centre,
Navi Mumbai
73. Sanjay A Pai (080) 3989 8969, sanjayapai@gmail.com
Columbia Asia Referral
extn 3502
Hospital, Bengaluru
74. H Paramesh drhparamesh@gmail.com
Lakeside Center
for Health Promotion,
Bengaluru

75. B S Shankaranarayana Rao
NIMHANS, Bengaluru (080) 2699 5175 bssrao.nimhans@gmail.com
76. U S Vishal Rao
Health Care Global
Cancer Centre,
Bengaluru drvishalrao@gmail.com
77. Subrata Sinha
AllMS, New Delhi (011) 2659 4483, 2658 9617 sub_sinha@hotmail.com,
sub_sinha2004@yahoo.co.in

Oceanography

78. A C Anil, NIO, Goa (0832) 245 0404 acanil@nio.org
79. P N Vinayachandran
IISc, Bengaluru (080) 2293 3065 vinay@iisc.ac.in

Physics

80. Debajyoti Choudhury
University of Delhi,
Delhi (011) 2766 7061 debchou@physics.du.ac.in
81. Justin David
IISc, Bengaluru (080) 2293 3146 justin@iisc.ac.in
82. Swapan Kumar Ghosh
University of Mumbai,
Mumbai swapankghosh@gmail.com
83. Sulabha Kulkarni
Centre for Materials
for Electronics
Technology, Pune skknano@gmail.com
84. Pinaki Majumdar
Harish-Chandra
Research Institute,
Allahabad (0532) 227 4301 pinaki@hri.res.in
85. K P Singh, Patiala kulinderpal@gmail.com
86. Tarun Souradeep
IUCAA, Pune (020) 2560 4212 tarun@iucaa.in
87. Paul J Wiita
The College of New
Jersey, New Jersey 609.771.2846 paul.witta@gmail.com

Remote Sensing and Space Sciences

88. Ajai, Space
Applications Centre
(ISRO), Ahmedabad (079) 2691 6248 ajai@sac.isro.gov.in
89. R R Navalgund
Bengaluru navalrr@gmail.com

Section G

**Calendar of Meetings in
2020**

CALENDAR OF MEETINGS IN 2020

<u>Meetings</u>	<u>Date</u>	<u>Venue</u>
Annual Meetings		
31st Mid-Year Meeting	03–04 July	Faculty Hall, IISc, Bengaluru
86th Annual Meeting	06–08 November	Guru Nanak Dev University, Amritsar
Council Meetings		
First Meeting	04 July	IASc, Bengaluru
Second Meeting	5–6 December	IASc, Bengaluru
Sectional Committee Meetings		
First Meeting	27 June	IASc, Bengaluru
Second Meeting	31 October	IASc, Bengaluru
Publications' Committee Meetings		
First Meeting	9 March	IASc, Bengaluru
Second Meeting	8 June	IASc, Bengaluru
Third Meeting	12 October	IASc, Bengaluru

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1937 March – Bengaluru	1981 Thiruvananthapuram
Dec. – Bengaluru	1982 Nainital
1938 Chennai	1983 Pune
1939 Bengaluru	1985 Feb. – Bengaluru
1940 Waltair	Nov. – Madurai
1941 Nagpur	1986 Varanasi
1942 Bengaluru	1987 Hyderabad
1943 Hyderabad	1988 Kolkata
1944 Pune	1989 Bhopal
1945 Udaipur	1990 Bhubaneswar
1946 Allahabad	1991 Pune
1947 Cuttack	1992 Ahmedabad
1948 Bengaluru	1993 Dehra Dun
1949 Mumbai	1994 Bengaluru
1950 Hyderabad	1995 Chennai
1951 Delhi	1996 Jodhpur
1952 Thiruvananthapuram	1997 Hyderabad
1953 Ahmedabad	1998 Kottayam
1954 Belgaum	1999 Lucknow
1955 Hyderabad	2000 Goa
1956 Waltair	2001 Tirupati
1957 Tirupati	2002 Chandigarh
1958 Baroda	2003 Guwahati
1959 Annamalainagar	2004 Varanasi
1960 Chennai	2005 Tiruchirappalli
1961 Mysore	2006 Indore
1962 Mumbai	2007 Thiruvananthapuram
1963 Nagpur	2008 New Delhi
1964 Pune	2009 July – Hyderabad
1965 Hyderabad	Nov. – Bengaluru
1966 Madurai	2010 Goa
1967 Chennai	2011 Ahmedabad
1968 Ahmedabad	2012 Dehra Dun
1969 Aurangabad	2013 Chandigarh
1970 Bengaluru	2014 Chennai
1971 Bengaluru	2015 Pune
1972 Mumbai	2016 Bhopal
1973 Mangalore	2017 Shillong
1974 Delhi	2018 Varanasi
1975 Nagpur	2019 Hyderabad
1976 Baroda	
1977 Kolkata	
1978 Hyderabad	
1979 Chandigarh	

LIST OF HOLIDAYS IN 2020

01 January	..	New Year's Day
15 January	..	Makara Sankranti
25 March	..	Chandramana Ugadi
06 April	..	Mahavir Jayanti
10 April	..	Good Friday
07 May	..	Buddha Purnima
25 May	..	Ramzan
02 October	..	Gandhi Jayanti
26 October	..	Vijayadashami
30 October	..	Id Meelad
16 November	..	Balipadyami
30 November	..	Guru Nanak's Birthday
25 December	..	Christmas

Section H

Staff

STAFF

General Ph. No.: +91-80-2266 1200

E-mail: <user_id>@ias.ac.in

Website: <http://www.ias.ac.in>

	Office (Direct)	Residence	Mobile	E-mail user_id
Secretariat				
Maheshchandra, N. <i>Executive Secretary</i>	2266 1203	2351 8081	90080 32004	mahesh
Ravi Kumar, C.S. <i>Assistant Executive Secretary & Coordinator, Science Academies' Education Programme</i>	2266 1207	–	90080 32002	ravi
Brahmananda, N. N.	2266 1224	–	99862 25491	brahma
Nalini, B.R.	2266 1205	–	98867 81301	nalini
Rajesh, P.	2266 1214	–	90080 32005	rajesh
Thirumalai, N.	2266 1204	2663 4067	98807 15025	thiru
Venkatarathnam, N.	2266 1215	–	90080 32003	venkat
Editorial				
Cicilia S.	2266 1250	2360 1614	98802 33156	cici
Geetha Sugumaran	2266 1245	–	81302 02933	geethas
Gracy Rani, R.A.	2266 1270	–	97403 24185	gracy
Jai Benjamin	2266 1252	–	97436 36291	joy
Mahabaleswara, T.D.	2266 1281	2642 1521	94496 36215	maha
Mary J. Mathai	2266 1251	–	99025 31781	mary
Nagesh, K.	2266 1244	–	98863 24220	nagesh
Padmaja, N.	2266 1268	–	94490 07041	padmaja
Pushpavathi, R.	2266 1243	–	99450 07273	pushpa
Shylaja, K.S.	2266 1242	–	99016 81773	shylaja
Srimathi, M.	2266 1248	4146 1855	98804 49261	srinathi
Sudarshana Dhar	2266 1279	2360 0273	99454 35868	sdhar
Sushila Rajagopal	2266 1249	–	99000 94263	sushila
Usha Susan Philip	2266 1247	4090 6692	94490 06692	usha

	Office (Direct)	Residence	Mobile	E-mail user_id
Science Academies' Education Programme				
Geetha, K.	2266 1210	–	81230 51203	geetha
Meghana B. Yadav	2266 1221	–	96322 02935	meghana
Roopashri, M.S.	2266 1202	–	87626 88980	roopa
Accounts & Finance				
Shashidhar, A. <i>Accounts Officer</i>	2266 1213	–	99000 38761	shashidhar
Chethana, H.	2266 1212	–	99723 81907	chethana
Jayakumar, A.	2266 1212	–	96327 26132	jaykumar
Tejeswini, T.M.	2266 1211	–	95912 37887	tejes12
Journals' Circulation				
Chikkahanumanthappa, L.	2266 1216	–	95357 55832	hanu
Computer & IT Support				
Sumesh, K.S.	2266 1280	–	70220 11551	sumesh
Supporting Staff				
Channaiah, H.	2266 1217	–	–	
Gangadharaiah, H.	2838 1934	–	94485 06960	
Govindaswamy, J.	2266 1217	–	88614 37221	
Manjunath, N.	–	–	98866 06380	
Rathnamma, N.	2266 1217	–	–	
Ravindra, M.	2838 1934	–	94482 24276	
Vijaya Kumar, R.P.	2266 1217	–	94482 46083	
				:

CURRENT SCIENCE ASSOCIATION

General Ph. No.: +91-80-2361 2310

E-mail: <user_id>@ias.ac.in

Website: <http://www.currentscience.ac.in>

	Office (Direct)	Residence	Mobile	E-mail user_id
Madhavan, G. <i>Executive Secretary</i>	2361 2310 2266 1301	2341 7960	98440 79282	madhavan

Editorial

Anuradha, R.	2266 1264	–	99006 55618	anuradha
Geetha, D.L.	2266 1265	–	93798 95857	dlgeetha
Rajitha, V.	2266 1262	–	97312 11310	rajitha
Venkateswari, V.	2266 1263	–	90087 54808	bhuvana
Venugopal, M.S.	2266 1261	–	99000 38762	venu

Supporting Staff

Ananthamurthy, H.R.	2266 1265	–	91643 42958	anantha
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Temporary Staff

Anitha, M.K.	2266 1266	–	90002 68140	anitha
Pratik Pawar	2266 1266	–	80979 46327	pratik
Priya, S	2266 1264	–	98455 34041	priya
Priya, V	2266 1211	–	89043 76070	priyav
Subashini, N.	2266 1264	2341 9667	–	suba

THE ACADEMY TRUST

General Ph. No.: +91-80-2266 1225

E-mail: <user_id>@ias.ac.in

Website: <http://www.ias.ac.in/trust>

	Office (Direct)	Residence	Mobile	E-mail user_id
Subhankar Biswas <i>Executive Secretary</i>	2266 1225	–	98862 42342	trust

Section I

Guest House Facility

Guest Rooms at the Academy Office

For guest room bookings, mail to guest@ias.ac.in

Address: Indian Academy of Sciences (RRI Campus)
Post Box No. 8005
C.V. Raman Avenue
Sadashivanagar Post
Bengaluru 560 080

Room No. 1	+91-80-2266 1231
Room No. 2	+91-80-2266 1232
Room No. 3	+91-80-2266 1233
Room No. 4	+91-80-2266 1234
Room No. 5	+91-80-2266 1235
Room No. 6	+91-80-2266 1236
Room No. 7	+91-80-2266 1237
Room No. 8	+91-80-2266 1238

Academy Fellows' Residency at Jalahalli, Bengaluru

Address: Academy Fellows' Residency
(Next to ISRO Housing Colony, Near HMT School)
Jalahalli West
Bengaluru 560 031

Telephone: +91-80-2838 1934

Caretakers:

Gangadharaiah, H. : 94485 06960
Ravindra, M. : 94482 24276

Link for the route map:
<http://www.ias.ac.in/public/Resources/About/sketch-map.pdf>

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