

**THE YEAR BOOK  
2021**



**INDIAN ACADEMY OF SCIENCES  
Bengaluru**

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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/](https://www.ias.ac.in/About_IASc/Memorandum_of_Association/)

Role of Academy

[https://www.ias.ac.in/About\\_IASc/Role\\_of\\_the\\_Academy/](https://www.ias.ac.in/About_IASc/Role_of_the_Academy/)

Statutes

[https://www.ias.ac.in/About\\_IASc/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/](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](mailto:subscriptions@springer.com). During the term of co-publishing, Fellows and Associates will have full complimentary online access to the Springerlink content of 10 journals of the Academy (which is password enabled) on the Springer link (<http://link.springer.com>) which is hosted on the Academy Fellowship webpage. 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 2020, the number of Fellows on roll was 1078, and Honorary Fellows 47.
3. **Selection of Associates:** The Associateship programme was introduced in 1983 to identify and encourage promising young scientists working in India. 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 the year 2019 onwards.

Fellows of the Academy (except members of the Council, Sectional Committees) and other Heads of institutions of national importance such as IITs, NITs, IISERs, CSIR laboratories, University departments (limited to pure and applied sciences including engineering) are eligible to nominate. A nomination remains valid only for the year of nomination. Nominations are solicited up to April 30, 2021. Please refer to page no. 298 for more details.

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 364 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 2021, the repository had 1,06,359 records with metadata, and around 22,685 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.

For full details of the programme and activities of the Academy, please refer to the [www.ias.ac.in](http://www.ias.ac.in)

## **COUNCIL FOR THE PERIOD 2019–2021**

### ***President***

Prof. Partha P. Majumder, NIBMG, Kalyani

### ***Previous President***

Prof. R. Ramaswamy, IIT, New Delhi

### ***Vice-Presidents***

Prof. Manindra Agrawal, IIT, Kanpur

Prof. Mihir K. Chaudhuri, Assam Sachivalaya, Dispur

Prof. S.K. Tandon, IISER, Bhopal

Prof. R. Varadarajan, IISc, Bengaluru

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Prof. Umesh V. Waghmare, JNCASR, Bengaluru

### ***Treasurer***

Prof. V.A. Raghunathan, RRI, Bengaluru

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Prof. Gautam Biswas, IIT, Kanpur

Prof. Rohini M. Godbole, IISc, Bengaluru

Prof. Vikram Jayaram, IISc, Bengaluru

Prof. V. Nagaraja, IISc, Bengaluru

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
<b><i>President</i></b>		
Prof. Partha P. Majumder	(033) 2589 2150 (033) 2589 2151	(033) 2565 4314
(while in the Academy Office)	(080) 2266 1239 (080) 2266 1203	
<b><i>Previous President</i></b>		
Prof. R. Ramaswamy	(011) 2659 7969	78930 93737
<b><i>Vice-Presidents</i></b>		
Prof. Manindra Agrawal	(0512) 259 7338	(0512) 259 8363
Prof. Mihir K. Chaudhuri	(0361) 223 7241	99544 49454
Prof. S.K. Tandon	98104 37365	(0124) 422 7715
Prof. R. Varadarajan	(080) 2293 2612	(080) 2360 2332
<b><i>Secretaries</i></b>		
Prof. Renee M. Borges	(080) 2360 2972 (080) 2293 3103	(080) 2341 7366
Prof. Umesh V. Waghmare	(080) 2208 2842	(080) 2233 2774
<b><i>Treasurer</i></b>		
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 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](http://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, Associates, 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

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Prof. R. Ramaswamy, IIT, New Delhi

Prof. Umesh V. Waghmare, JNCASR, Bengaluru

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Prof. Anil Kumar, NCL, Pune

Prof. Sujatha Ramdorai, University of British Columbia, Canada

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



- |     |  |  |
|-----|--|--|
| 22. | Prof. Abhay Ashtekar<br>Pennsylvania State University<br>Pennsylvania (USA)                                | Dec. 2004–Jan. 2005                            |
| 23. | Prof. Anne McLaren<br>Cancer Research UK<br>Gurdon Institute, Cambridge (UK)                               | Nov.–Dec. 2005<br>Oct.–Nov. 2006               |
| 24. | Prof. Sajeev John<br>University of Toronto<br>Canada   | Dec. 2007–Jan. 2008                            |
| 25. | Prof. S.R.S. Varadhan<br>Courant Institute of Mathematical Sciences<br>New York (USA)                      | Jan.–Feb. 2009                                 |
| 26. | Prof. Marc Fontecave<br>Universite Joseph Fourier<br>Grenoble (France)                                     | Apr. 2009<br>Oct.–Nov. 2009                    |
| 27. | Prof. Huzihiro Araki<br>Research Institute for Mathematical<br>Sciences<br>Kyoto University, Kyoto (Japan) | Jul.–Sep. 2010                                 |
| 28. | Prof. Anthony K. Cheetham<br>University of Cambridge<br>Cambridge (UK)                                     | Sep.–Oct. 2011<br>Dec. 2011                    |
| 29. | Prof. Sauro Succi<br>Istituto Applicazioni Calcolo<br>Rome (Italy)   | Oct. 2011<br>Jan.–Feb. 2012<br>July 2012       |
| 30. | Prof. Michael L. Klein<br>Temple University<br>Philadelphia (USA)  | Feb.–Mar. 2014<br>Aug.–Sept. 2014<br>Jan. 2015 |
| 31. | Prof. T.J. Pedley<br>University of Cambridge<br>Cambridge (UK)   | Feb.–Mar. 2016<br>Nov. 2016                    |
| 32. | Prof. David Baker<br>University of Washington<br>Seattle (USA)   | Dec. 2018–Jan. 2019                            |
| 33. | Prof. Ben L. Feringa<br>University of Groningen<br>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<br>University of Cambridge, UK                    | July–August 2012    |
| 2. Prof. Nitash P. Balsara<br>University of California, Berkeley, USA            | November 2014       |
| 3. Prof. Madhu Sudan<br>Microsoft Research, Cambridge, USA                       | Dec. 2015–Jan. 2016 |
| 4. Prof. Andrej Sali<br>University of California,<br>San Francisco, USA          | July–August 2017    |
| 5. Prof. Veena Sahajwalla<br>University of New South Wales,<br>Sydney, Australia | August 2017         |
| 6. Prof. Ken Ono<br>University of Virginia<br>Charlottesville, USA               | December 2019       |

## **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 as well.

Prof. Nina V. Fedoroff of Pennsylvania State University, Pennsylvania, USA is the first person to occupy the prestigious Janaki Ammal Chair during November 2018.

## **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 neighbouring countries, as well as to deliver public lectures to address a wider audience.

The Academy-Springer Nature Chair Professors having occupied/ occupying the Chair are:

1. Prof. Frank Shu  
University of California, San Diego, USA  
December 2017
2. Prof. Andy Haines  
London School of Hygiene and  
Tropical Medicine, London, UK  
March 2019

**Section C**

**Fellowship and  
Honorary Fellowship**

## FELLOWS ON ROLL

Elected  
Year

- 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, Yelahanka New Town, Bengaluru 560 065, Tel. Off. (080) 6695 3742; (080) 6695 3700, Res. (080) 2953 1505, Mobile: 96635 65354, Fax (080) 6695 3799, email: aditi@math.tifrbng.res.in; adiadimurthi@gmail.com, sp. nonlinear differential equations.
- 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.

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### 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. 199

Elected  
Year

- 2020 **Agarwal**, Vivek, b. 1964, Ph.D. (Victoria), FIEEE, FNAE, FNA, 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 conversion; power quality.
- 2012 **Aggarwal**, Amita, b. 1960, MD (AIIMS), D.M. (Lucknow), FNASc, FAMS, Department of Clinical Immunology and Rheumatology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow 226 014, Tel. Off. (0522) 249 4284, Res. (0522) 249 4410, Mobile: 94735 84267, 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: aggarwal.r@jipmer.edu.in, sp. gastrointestinal & liver diseases; viral hepatitis; epidemiology; health economics; immunisation; public health.
- 2021 **Agrawal**, Amit, b. 1974, Ph.D. (Delaware), FNAE, FNASc, Department of Mechanical Engineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7516, Res. (022) 2576 8516, Mobile: 98194 60889, Fax (022) 2572 6875, email: amit.agrawal@iitb.ac.in; aagrawal.iitb@gmail.com, URL: <http://www.me.iitb.ac.in/~amit.agrawal/>, sp. fluid mechanics; heat transfer; development of novel bio-microdevices.
- 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.

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Elected  
Year

- 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–.
- 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) 123 1055, 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; geo-chemistry; 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.

Elected  
Year

- 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.
- 2005 **Ali**, Sher, b. 1955, Ph.D. (Delhi), FNA, FNASc, JC Bose National Fellow, Distinguished Professor, Department of Life Sciences, Sharda University, Greater Noida 201 306, Tel. Res. (011) 2674 1139, Mobile: 98180 04632, email: sher.ali@sharda.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, Professor Emeritus, Dayananda Sagar University, Hosur Main Road, Bengaluru 560 114, Tel. Res. (080) 2361 1263, Mobile: 98860 85273, 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.



- Elected  
Year
- 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.
- 1996 **Ananthakrishnan**, 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. 73508 29530, Fax (020) 2569 9841, email: subra.anan@gmail.com; ananth@electronics.unipune.ac.in, sp. radio science; extragalactic 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, Physical & Materials Chemistry Division, CSIR–National Chemical Laboratory, Pune 411 008, Tel. Res. (020) 4862 4169, Mobile: 98220 74509; 75070 53053, email: dranilkumar1956@gmail.com; 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](http://www.tifr.res.in/~antia), sp. solar physics; helioseismology; numerical techniques.

Elected  
Year

- 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, 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.
- 30
- 1980 **Appaji Rao**, Naropantul, b. 1934, Ph.D. (Rajasthan), FNA, Res. 9, Sharada Colony, Basaveshwara Nagar, Bengaluru 560 079, 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.

Elected  
Year

- 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).
- 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, 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.
- 40
- 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.

Elected  
Year

- 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.
- 2010 **Awasthi**, Shally, b. 1958, MD (Lucknow), FNA, FNASc, FAMS, Head, 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 **Bachhawat**, 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, Mobile: 96540 23365, email: akbag99@gmail.com, sp. history of mathematics, astronomy & technology in India.
- 1998 **Bagchi**, Bhaskar, b. 1954, Ph.D. (ISI, Calcutta), Res. No. 1363, 10th Cross Road, Kengeri Satellite Town, Bengaluru 560 060, Mobile: 96327 49948, email: bhaskarbagchi53@gmail.com, sp. finite geometry; combinatorial topology; operator theory.

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Year
- 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.
- 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: sunil.bajpai@es.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, FNASc, 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.

Elected  
Year

- 1985 **Bal Krishnan**, 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.bal Krishnan@gmail.com; vbalki@physics.iitm.ac.in, sp. statistical physics; stochastic processes; classical and quantum dynamics.
- 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, 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, Adjunct Professor, Department of Chemistry, Indian Institute of Technology, Chennai; Res. New 47, (Old 24), Padmanabha Nagar, 5th Street, Adayar, Chennai 600 020, Tel. Off. (044) 2257 200, Res. (044) 2446 1595, Mobile: 94449 10297, email: kkbadayar@gmail.com; kkbalu@hotmail.com, sp. synthetic organic chemistry; molecular rearrangements; heterocyclic chemistry; carbohydrate chemistry; organic photochemistry.

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Elected  
Year

- 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.
- 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, FIEEE, 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 3480, 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.

Elected Year	
2021	<b>Banerjee, Anjan Kumar</b> , b. 1968, Ph.D. (Pune), FNASc, Biology Division, Indian Institute of Science Education & Research–Pune, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8057, Res. (020) 2569 1313, Mobile: 94223 14681, email: akb@iiserpune.ac.in; akbiiserpune@gmail.com, URL: <a href="http://www.iiserpune.ac.in/~akb">http://www.iiserpune.ac.in/~akb</a> , sp. plant developmental biology; long distance micromolecular signalling; plant molecular biology.
2015	<b>Banerjee, Arindam</b> , 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: <a href="http://www.iacs.res.in/biochem/bcab/">http://www.iacs.res.in/biochem/bcab/</a> , sp. bio-organic chemistry; molecular assembly; soft materials & hybrid nano materials.
1992	<b>Banerjee, Dipankar</b> , 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	<b>Banerjee, Dipankar</b> , 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: <a href="https://www.iiap.res.in/people/personnel/dipu/">https://www.iiap.res.in/people/personnel/dipu/</a> , sp. astrophysics; solar physics; plasma physics.
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1991	<b>Banerjee, Kalyan</b> , 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.
2021	<b>Banerjee, Rahul</b> , b. 1977, Ph.D. (Hyderabad), Department of Chemical Sciences, Indian Institute of Science Education & Research–Kolkata, Mohanpur 741 246, Tel. Off. (033) 6136 0000/1327, Mobile: 62979 76236, email: r.banerjee@iiserkol.ac.in, URL: <a href="http://www.pmatlab.com/Home">http://www.pmatlab.com/Home</a> , sp. structural chemistry; crystal engineering; porous materials; gas storage; COFs.
1993	<b>Banerjee, Ranajit Kumar</b> , 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.



Elected  
Year

- 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.
- 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, 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.

Elected  
Year

- 2015 **Bapat**, Sharmila Avadhut, Ph.D. (Pune), b. 1965, FNASc, Scientist G, National Centre for Cell Science, 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 of Fundamental Research, 36/P, Gopanpally, Hyderabad 500 046, 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) 4044 0100, 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.
- 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.
- 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.
- 2021 **Basak**, Soumen, b. 1974, Ph.D. (Calcutta), FNASc, Systems Immunology Laboratory, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2670 3853, Mobile: 97119 84483, email: sobasak@nii.ac.in, URL: <http://www.nii.res.in/research/soumen-basak>, sp. cell signalling; immunology; systems biology.
- 1997 **Basavaiah**, Deevi, b. 1950, Ph.D. (Banaras), FNA, INSA Senior Scientist, 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.

Elected  
Year

- 1989 **Baskaran, Ganapathy**, b. 1948, Ph.D. (IISc), FNA, FTWAS, Distinguished Visiting Research Chair, Perimeter Institute for Theoretical Physics, Waterloo, Ontario, Canada; Distinguished Professor of Physics, Indian Institute of Technology, Chennai; The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3303, Mobile: 99402 19203, 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, G. Aravamudan Chair Professor, 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 VII, National Brain Research Centre, Manesar 122 052, Tel. Off. (0124) 284 5225, email: anirban.nbrc@gmail.com; anirban.nbrc@gov.in, 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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- 2021 **Basu, Jaydeep Kumar**, b. 1970, Ph.D. (Calcutta), Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3281, Res. (080) 2351 7823, Mobile: 98863 24567, Fax (080) 2360 2602, email: basu@iisc.ac.in, URL: <https://www.physics.iisc.ac.in/~basu/>, sp. soft matter physics; biological physics; quantum nanophotonics.
- 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.

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Year
- 1996 **Basu**, Mukul Kumar, b. 1939, Ph.D. (Jadavpur), FRSC, FNASc, 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: sandipkbasu@gmail.com, sp. biochemistry; molecular biology & microbial genetics; cell biology. **Council Service:** 1995–97.
- 2005 **Batra**, Janendra Kumar, b. 1957, Ph.D. (Delhi), FNA, FNASc, 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](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. (IISc), 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.
- 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.

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Year
- 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), 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, 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.
- 2021 **Bharadwaj**, Somnath, b. 1964, Ph.D. (IISc), FNASc, Department of Physics, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 3806, Res. (03222) 28 3807, Mobile: 94340 40929, Fax (03222) 25 5303, email: somnath@phy.iitkgp.ac.in; somnathbharadwaj@gmail.com, URL: <http://iitkgp.ac.in/department/PH/faculty/ph-somnath>, sp. astrophysics; cosmology.

Elected  
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, JC Bose National Fellow, 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, Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2658 8204, Res. (011) 4175 0574, Mobile: 98111 32407, Fax (011) 2658 8662, email: balrambhargava@yahoo.com; secy-dg@icmr.gov.in, 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.
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- 2006 **Bhat**, Ganapati Shankar, b. 1957, Ph.D. (IISc), Centre for Atmospheric & Oceanic Sciences, Indian Institute of Science, Bengaluru 560 012, Tel. Res. (080) 2950 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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Year

- 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, Rajiv Gandhi Education City, 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.
- 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, FNASc, 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/](http://www.csa.iisc.ac.in/~shalabh/), sp. stochastic approximation algorithms; optimization & control of random dynamical systems; learning in robotics; smart grids; wireless & vehicular traffic networks.

Elected  
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, Raja SC Mullick Road, 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.
- 120
- 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; samareshb.chemistry@jadavpuruniversity.in, sp. inorganic chemistry; coordination chemistry; organometallic chemistry.



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Year
- 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.
- 2000 **Bhattacharya**, Santanu, b. 1958, Ph.D. (Rutgers), FNA, FTWAS, JC Bose National Fellow, Department of Chemistry, Indian Institute of Science, Bengaluru; 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, sb@iisc.ac.in; sp. chemical biology; membrane biophysics; soft matter; supramolecular 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, INSA Senior Scientist, Ashoka University, Rajiv Gandhi Education City, Sonapat 131 029, Mobile: 98184 76740, email: sbjnu110@gmail.com, sp. molecular biology; molecular parasitology; genomics; rare genetic diseases. **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, Mobile: 99002 69068, email: anindajb@iisc.ac.in; anindajbhattacharyya@gmail.com, 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@jcbosc.ac.in, sp. biophysical chemistry; biochemistry; molecular spectroscopy.

Elected  
Year

- 2015 **Bhattacharyya**, Gautam, b. 1966, Ph.D. (Calcutta), FNA, FNASc, JC Bose National Fellow, Director, 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.
- 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), FNA, 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.
- 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.

Elected  
Year

- 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.
- 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.

Elected  
Year

- 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; animal-built structures and bioengineering. **Council Service:** 2019–; Secretary: 2019–.
- 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.
- 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.
- 2000 **Bose**, Indrani, b. 1951, Ph.D. (Calcutta), FNASc, NASI Honorary 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. B101, Karle Zenith Residences, 100ft Kempapura Road, Nagavara, Bengaluru 560 045, Mobile: 98104 43272, email: skb@igib.in; brahmacharisk@gmail.com, URL: <http://samirbrah-machari.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.
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- 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) 28 2000, email: ppchak@cse.iitkgp.ac.in; ppchak\_99@yahoo.com, sp. artificial intelligence; computer aided design for VLSI & embedded systems; cognitive science.
- 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.
- 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; knowledge graphs, 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 2069, Mobile: 94177 70515, email: chakrabortiak@iitrpr.ac.in; asitkumarchakraborti@gmail.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, Director, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2673 5186, (011) 2673 5169, 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](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.

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- 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; tusharkantichakraborty@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.
- 2021 **Chakravorty**, Dipshikha Santosh Kumar, b. 1968, Ph.D. (NCCS), FNA, FNASc, Department of Microbiology & Cell Biology, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2842, Res. (080) 2360 6657, Mobile: 99207 89453, Fax (080) 2360 2697, email: dipa@iisc.ac.in, URL: <https://mcbl.iisc.ac.in/dclab/index.html>, sp. microbiology; infectious disease; immunology.
- 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.
- 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, Res. (040) 2970 4365, Mobile: 98490 84365, Fax (040) 2716 0591, email: chandakgrc@ccmb.res.in, URL: <https://www.ccmb.res.in/Research/Research-Groups/G-R-Chandak>, sp. genomics & epigenomics of complex diseases; developmental programming of metabolic syndrome; molecular diagnostics of monogenic and complex disorders.

Elected  
Year

- 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.
- 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@srhu.edu.in; ashachandola@apeejay.edu, 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 1831; (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.
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- 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, Mobile: 89391 88543, 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.



- Elected  
Year
- 2021 **Chandrasekar**, Rajadurai, b. 1973, Ph.D. (Max Planck Inst.), School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4824, Res. (040) 2313 6136, Mobile: 98481 55581, email: chandrasekar.rajadurai@gmail.com, URL: <https://sites.google.com/site/rajaduraichandrasekargroup/>, sp. organic nanophotonics; single particle microscopy & spectroscopy; materials chemistry & 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. (080) 2293 2404, Res. (080) 4165 1209, 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.
- 1992 **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 500 046, 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; main-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.

Elected  
Year

- 1996 **Chandru**, Vijay, b. 1953, Ph.D. (MIT), INAE Distinguished Technologist, Indian Institute of Science, Bengaluru; Distinguished Adjunct Professor, Birla Institute of Technology & Science, Pilani; Founder Director, Strand Life Sciences, Ragini, 591, 3rd Main Road, Sadashivanagar, Bengaluru 560 080, Tel. Off. (080) 2360 2820, Res. (080) 2361 5038, Mobile: 98452 02820, Fax (080) 6688 5755, 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 700 160, Tel. Off. (033) 6605 7582, Mobile: 96744 67726, email: mammen.chandy@tmckolkata.com, sp. hematology; bone marrow transplantation; molecular genetics of blood diseases.
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- 2001 **Chattaraj**, Pratim Kumar, b. 1958, Ph.D. (IIT, Mumbai), FNA, FNASc, FRSC, FTWAS, JC Bose National Fellow, Distinguished Visiting Professor, Indian Institute of Technology, 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; noble gas compounds; fluxionality; machine learning; 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](http://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.

- Elected  
Year
- 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.
- 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](http://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, Sister Nivedita University, Newtown, Kolkata 700 156, Tel. Res. 98316 06793, Mobile: 98310 83791, email: vc@snuniv.ac.in; dhruvajyotic@gmail.com, sp. transcription; molecular virology; oxidative stress response; metagenomics, enzyme biotechnology.

Elected  
Year

- 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, SERB Distinguished Fellow, Department of Materials Engineering, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2262; (080) 2293 3522, email: kamanio@iisc.ac.in, sp. physical metallurgy; materials science & engineering.
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- 2010 **Chattopadhyay, Nitin**, b. 1960, Ph.D. (Jadavpur), FNASc, D epartment of Chemistry, Jadavpur University, Kolkata 700 032, Tel. Off. (033) 2457 2776, Mobile: 94339 48648, Fax (033) 2414 6584, email: nitin.chattopadhyay@yahoo.com; nitink.chattopadhyay@jadavpuruniversity.in, URL: <http://sites.google.com/site/pcnيتين/>, sp. photophysics & photochemistry; time-resolved spectroscopy; biophysical chemistry; surface chemistry; fluorosensing.
- 2011 **Chattopadhyay, Samit**, b. 1959, Ph.D. (Jadavpur), FNASc, FNA, FTWAS, JC Bose National Fellow, Chair Professor, Department of Biological Sciences, Birla Institute of Technology and Science, KK Birla Goa Campus, Zuarinagar, Sancoale 403 726, Tel. Off. (0832) 258 0856, Res. (0832) 258 0709, Mobile: 98234 09155, email: samitc@goa.bits-pilani.ac.in; samitchatterji@yahoo.com, URL: <https://www.bits-pilani.ac.in/goa/samitc/profile>, 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.

Elected  
Year

- 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.
- 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. (0361) 223 7241, Mobile: 99544 49454, email: mkc@tezu.ernet.in; chaudhurimihirk@gmail.com, 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.

Elected  
Year

- 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.
- 2000
- 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, 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.
- 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, Mobile: (+33-7) 8785 6133, Fax (+33-1) 4438 9428, email: chetan.chitnis@pasteur.fr, sp. molecular parasitology; vaccine development; malaria; molecular & cell biology.

Elected  
Year

- 2015 **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.
- 2005 **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.
- 1980 **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.
- 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.
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- 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.
- 2021 **Chowdhary**, Anuradha, b. 1969, Ph.D. (Radboud), FAMS, FRC Path., (London), Department of Medical Mycology, VP Chest Institute, Delhi 110 007, Tel. Off. (011) 2766 7560, Res. (011) 2730 8906; (011) 2730 2323, Mobile: 98103 00258, Fax (011) 2766 6549, email: dranuradha@hotmail.com; chowdhary.anuradha@gmail.com, sp. medical microbiology; medical mycology; fungal infections.

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Year
- 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.
- 1983 **Cowsik**, Ramanath, b. 1940, Ph.D. (Bombay), FNA, FNASc, FTWAS, Foreign Assoc., US Natl. Acad. Sci., 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](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, 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.



Elected  
Year

- 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, Department of Chemical Sciences, Indian Institute of Science Education and Research–Kolkata, Mohanpur 741 246, Tel. Off. (033) 6136 1355, Mobile: 82752 25356; 94280 51283, email: amitava@iiserkol.ac.in; das.amitava1@gmail.com, sp. molecular recognition; nanostructured material; drug delivery; supra-molecular chemistry & assembly; photoinduced processes.
- 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, INSA Senior Scientist, CSIR–Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 3491, Res. (033) 4003 6221, 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: bcpkd@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.

Elected  
Year

- 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, 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.
- 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) 4039 1050, 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; stochastic dynamics; non-equilibrium systems.
- 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.

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Elected  
Year

- 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.
- 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.
- 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, INSA Senior Scientist, 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.

Elected  
Year

- 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.
- 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, email: ddash.biochem@gmail.com, sp. thrombus biology; platelet biochemistry & signal transduction; translational nanomedicine (biomedical applications of nanotechnology).
- 240
- 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.

Elected  
Year

- 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.
- 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.
- 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.

Elected  
Year

- 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.
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- 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.
- 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: deskmukh@tifr.res.in, URL: [www.tifr.res.in/~deshmukh](http://www.tifr.res.in/~deshmukh), sp. 2D materials; mesoscopic electron transport; nanomechanics.
- 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.

Elected  
Year

- 1993 **Desiraju**, Gautam Radhakrishna, b. 1952, Ph.D. (Illinois), Solid State Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012, email: gdesiraju@iisc.ac.in.
- 2006 **Dev**, Bhupendra Nath, b. 1953, Ph.D. (SUNY, Albany), FNASc, Department of Condensed Matter Physics and Materials Science, SN Bose National Centre for Basic Sciences, JD Block, Sector 3, Salt Lake, Kolkata 700 106, Tel. Off. (033) 2335 1313, Mobile: 94338 47131, email: bhupen.dev@gmail.com, 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.
- 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; 94759 27882, 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.
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- 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.

Elected  
Year

- 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: dilip.dhavale@unipune.ac.in; dilipdhavale56@gmail.com, sp. synthesis of natural products; carbohydrate chemistry; peptide chemistry; photochemistry; reaction mechanism; medicinal chemistry.
- 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.



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Year
- 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, Res. No. 500/22/F2, Sagar Ratna Housing Society, Filomena Housing Colony, Alto-Santa Cruz, Bambolim 403 202, Mobile: 94044 34053, 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.
- 270
- 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.
- 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.
- 2021 **Dutta, Amit**, b. 1968, Ph.D. (Jadavpur), Department of Physics, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 7471, Mobile: 98389 72830, Fax (0512) 259 0914, email: dutta@iitk.ac.in, URL: <https://sites.google.com/site/amitduttaphysics/>, sp. theoretical condensed matter physics; nonequilibrium statistical mechanics; quantum information & thermodynamics.
- 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.

Elected  
Year

- 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.easwaran@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.
- 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.
- 280
- 2018 **Gahalaut**, Vineet Kumar, b. 1966, Ph.D. (Roorkee), Chief 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.

Elected  
Year

- 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.sglabepigenetics.com>, 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.
- 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/](http://home.iitk.ac.in/~sganesh/), sp. human molecular genetics; neurobiology of disease; stress biology.
- 1992 **Ganeshiah**, 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: knganeshiah@gmail.com, sp. plant evolutionary biology; plant genetics & breeding; foraging ecology of ants; biodiversity & conservation; bio-resource databases.

Elected  
Year

- 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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- 2010 **Ganguli**, Ashok Kumar, b. 1961, Ph.D. (IISc), FNASc, Institute Chair Professor, Department of Chemistry and Deputy Director, Indian Institute of Technology–Delhi, Hauz Khas, 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.

- Elected  
Year
- 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.
- 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.
- 2021 **Garg**, Pramod Kumar, b. 1963, DM (AIIMS), FNA, FNASc, FAMS, Department of Gastroenterology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 4425, Res. (011) 4100 6336, Mobile: 98100 38116, email: pgarg10@gmail.com; pkgarg@aiims.ac.in, sp. pancreatology; gastroenterology; internal medicine.
- 1985 **Gaur**, Vinod Kumar, b. 1936, Ph.D. (London), FNA, FNASc, FTWAS, Res. 101, Windsor Court, 17, Millers Road, Bengaluru 500 046, Tel. (080) 2343 7410, Mobile: 94536 29839, email: aurvinod36@gmail.com, sp. seismotectonics; geophysical inversion; earth system sciences. **Council Service:** 1992–97; Editor of Publications: 1995–97.
- 2003 **Gavai**, Rajiv Vasanttrao, b. 1954, Ph.D. (Bombay), FNA, Raja Ramanna Fellow, Department of Physics, Indian Institute of Science Education and Research–Bhopal, Bhopal Bypass Road, Bhauri, Bhopal 462 066, Tel. Off. (0755) 269 1523; (0755) 269 2582, email: rajiv@iiserb.ac.in; 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](http://www.jncasr.ac.in/george), sp. supra-molecular chemistry; organic materials.

- Elected  
Year
- 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.
- 300
- 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.
- 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; 70448 08282, 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 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.

- Elected  
Year
- 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/](http://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. co-ordination 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.
- 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, JC Bose National Fellow, 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; plasmonic materials; ultrafast spectroscopy in condensed phase; terahertz spectroscopy; ultrafast spectroscopy at cryogenic temperature.

- Elected  
Year
- 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, Mobile: 98802 67371, 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.
- 1998 **Ghosh**, Subrata, b. 1950, Ph.D. (Calcutta), FNA, INSA Senior Scientist, School of Chemical Sciences, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1402, Res. (033) 2425 9763, Mobile: 98304 50170, Fax (033) 2473 2805, email: ocsg@iacs.res.in; ocsg2004@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.



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- 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, Res. No. 1, Lovedale Apartments, Minoo Desai Marg, Colaba, Mumbai 400 005, Tel. (022) 2280 4645, Mobile: 98672 04645; 95455 14645, 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; godbolerm@gmail.com, sp. elementary particle physics; field theory; phenomenology.
- 320 **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.
- 2021 **Goel**, Atul, b. 1970, Ph.D. (Lucknow), Medicinal & Process Chemistry Division, CSIR–Central Drug Research Institute, Janakipuram, Sitapur Road, Lucknow 226 031, Tel. Off. (0522) 277 2483, Res. (0522) 424 4784, Mobile: 99353 77134, email: atul\_goel@cdri.res.in; goela13@gmail.com, URL: <http://www.cdri.res.in/1537.aspx?id=1537>, sp. bio-organic & medicinal science; biomedical science; drug discovery; molecular medicine & imaging.
- 1992 **Goel**, Prem Shanker, b. 1947, Ph.D. (Bangalore), FNAE, FNASc, FNA, FTWAS, Honorary Distinguished Professor, ISRO, Bengaluru; Honorary Visiting 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.

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- 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, 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.
- 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.
- 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://aero.iisc.ac.in/people/s-gopalakrishnan/>, sp. wave propagation; structural health monitoring; computational mechanics.

Elected  
Year

- 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.
- 330
- 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 2009-10; (020) 2590 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.
- 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; nonlinear dynamics in chemistry & biology.

Elected  
Year

- 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.
- 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, 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](http://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.
- 340
- 2004 **Goswami**, Sreebrata, b. 1956, Ph.D. (Jadavpur), FNA, Res. 13/2, Madhusudan Banerjee Road, Belgharia, Kolkata 700 056 Tel. (033) 2541 6361, Mobile: 94330 06361, email: icsgiacs@gmail.com; icsg@iacs.res.in, sp. inorganic chemistry; chemical reactions with metal-ligand co-operation; material design for ultra-low energy computing.

- Elected  
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, Tata Institute of Fundamental Research, 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.
- 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, Mobile: 98153 35138, email: arunkgrover@gmail.com, sp. magnetism & superconductivity; vortex state studies in superconductors; strongly correlated systems; history of science. **Council Service:** 2016–18; Vice-President: 2016–18.

Elected  
Year

- 2021 **Guha**, Debatosh, b. 1963, Ph.D. (Calcutta), FIEEE, FNAE, FNASc, Institute of Radio Physics & Electronics, University of Calcutta, 92, Acharya Prafulla Chandra Road, Kolkata 700 009, Tel. Off. (033) 2350 9115-16; (033) 2350 9413/54, Res. (033) 2481 2263, Mobile: 89102 69258, email: dguha@ieee.org, URL: <http://dguha.info>, sp. antenna engineering; microwaves; applied electromagnetics.
- 2021 **Gun**, Sanoli, b. 1975, Ph.D. (HRI), The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3202, Res. (044) 2448 4044, Mobile: 94449 00254, Fax (044) 2254 1586, email: sanoli@imsc.res.in, sp. modular forms; special values of L- functions; algebraic number theory.
- 1994 **Gupta**, Alok Krishna, b. 1942, Ph.D. (Pittsburgh), D.Sc. (h.c.) (Burdwan), FNA, FNASc, Res. E-202, Green Valley Apartments, Kaikhali Chiria More, Kolkata 700 136, Tel. (033) 2573 0548, Mobile: 86013 50902, email: alok.krishna.gupta@gmail.com, URL: [www.alokkrishnagupta.com](http://www.alokkrishnagupta.com), sp. experimental petrology; mineralogy; geochemistry; thermodynamics.
- 350
- 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. No. 62, PALMS, Plot 13B, Sector 6, Dwarka, New Delhi 110 075, Mobile: 98195 42874, email: lcgupta@tifr.res.in; lcgupta38@yahoo.com, sp. superconductivity & magnetism; Quaternary borocarbide superconductors; NMR/NQR/Mu-SR; valence fluctuations; heavy fermion phenomena, multiferroics.

Elected  
Year

- 2021 **Gupta, Neena**, b. 1984, Ph.D. (ISI, Kolkata), Theoretical Statistics & Mathematics Unit, Indian Statistical Institute, 203, BT Road, Kolkata 700 108, Tel. Off. (033) 2575 3421, Res. 98747 64925, Mobile: 93310 27972, Fax (033) 2577 3071, email: neenag@isical.ac.in, sp. commutative algebra; affine algebraic geometry.
- 2007 **Gupta, Pradeep Kumar**, b. 1954, Ph.D. (Heriot Watt), FNASc, Res. No. 23-B, Parmanu Nagar, Indore 452 013, Mobile: 91311 81110, email: pkgupta54@gmail.com, sp. lasers; bio-medical 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) 297 4526, Mobile: 94116 19105; 63953 72254, email: pkgupta36@gmail.com; pkgupta@ccsuniversity.ac.in, 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.
- 1999 **Gupta, Satish Kumar**, b. 1953, Ph.D. (AIIMS), FNA, FNASc, FAMS, Res. No. KG-04, Aura Mahindra, Bajghera Road, New Palam Vihar, Sector 110A, Gurgaon 122 017, Tel. (0124) 490 5491, Mobile: 98109 66357, email: skgupta.nii53@gmail.com, 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.
- 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.

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- 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) 4174 1826, 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.
- 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.



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- 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, FNA, 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.
- 2006 **Hasan**, Gaiti, b. 1956, Ph.D. (Cambridge), FNA, FTWAS, SERB Distinguished Fellow, 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.
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- 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**, Rajat 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.

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- 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, 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@jncasr.ac.in; sp. synthetic organic chemistry; heterocyclic chemistry; medicinal chemistry.
- 2017 **Inamdar**, Maneesha Shreedhar, Ph.D. (TIFR), Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2818, 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, 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.

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- 1995 **Iqbal**, Javed, b. 1947, Ph.D. (Delhi), FNA, Chairman, Renovis Laboratories, 48, Villa Greens, Gandipet, Hyderabad 500 075, Mobile: 98497 99444, email: prof.javediqbal@gmail.com; javed@renovislabs.com, sp. organic synthesis; medicinal chemistry; drug design & discovery; organometallic chemistry; catalysis.
- 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: jjirani@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 stochastic; 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.
- 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.

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- 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, Mobile: 99682 92772, email: nrjgi@yahoo.co.in; jagan1954@hotmail.com, sp. clinical and pre-clinical cancer research using molecular imaging; magnetic resonance imaging & in-vivo NMR spectroscopy; 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.
- 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.
- 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, Director, Trivedi School of Biosciences, Ashoka University, Rajiv Gandhi Education City, Sonapat 131 029, Tel. Res. (011) 2684 0631, email: shahid.jameel@ashoka.edu.in; 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.
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- 2014 **Jayananda**, Mudlappa, b. 1959, Ph.D. (Bengaluru), FNASc, FNA, 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 tectonics and crustal evolution.
- 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–.
- 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.

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- 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.
- 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.
- 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, 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; 400 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.

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- 1983 **Johri**, Johri, Man Mohan, b. 1940, Ph.D. (Delhi), FNA, 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.
- 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/ebj-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, Emeritus Professor of Eminence, 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?DeptID=34%20%0A](http://www.ictmumbai.edu.in/Department_FacultyProfile.aspx?DeptID=34%20%0A), sp. chemical engineering; fluid mechanics; reactor design; absorption of NO<sub>x</sub> gases; solar energy; atomic energy and bio energy.

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- 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@gmail.com; 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.
- 1995 **Kailas**, Swaminathan, b. 1949, Ph.D. (Bombay), FNA, INSA Senior Scientist, UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai, Kalina Campus, Santacruz, Mumbai 400 098, Tel. Res. (022) 2551 2291, Mobile: 99691 53075, email: swaminathankailas305@gmail.com; kailas@cbs.ac.in, sp. nuclear optical model; heavy ion-induced fission/fusion; accelerator-based multidisciplinary science.
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- 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.



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- 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 Emeritus 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.
- 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.
- 2011 **Kang**, Gagandeep, b. 1962, Ph.D. (CMC, Vellore), FRC Path., FNASc, FNA, FRS, 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, 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.uoh@nic.in; kannan.v@srmap.edu.in, sp. analysis & topology.

Elected  
Year

- 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. theory of complex chemical systems; fundamental electrochemistry and polymers; nanoelectrochemistry.
- 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; tkant1946@gmail.com, URL: [www.civil.iitb.ac.in/~tkant](http://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, Department of Applied Mechanics, Indian Institute of Technology–Delhi, Hauz Khas, New Delhi 110 016, Tel.Off. (011) 2659 1218, Res. (011) 2658 1563, Mobile: 96547 28776, email: kapuria@am.iitd.ac.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.

- Elected  
Year
- 2008 **Karant**, Kota Ullas, b. 1948, Ph.D. (Mangalore), Emeritus Director, Centre for Wildlife Studies, 224, Rajnigandha, Garden Apartments, 21, Vittal Mallya Road, Bengaluru 560 001, Tel. Off. (080) 4148 7303, email: ukarant@gmail.com, sp. carnivore ecology; animal population analysis; conservation biology; conservation policy.
- 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.
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- 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, Bengaluru; Member, RRI Trust, Raman Research Institute, CV Raman Avenue, Sadashivanagar, Bengaluru 560 080, 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.

Elected  
Year

- 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.
- 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 Honorary 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](http://www.cdfd.org.in/labpages/fungal_pathogenesis.html), sp. yeast molecular biology & genetics; candida pathogenesis; host-pathogen interaction.
- 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.
- 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.

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Year

- 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.
- 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: <https://www.che.iitb.ac.in/faculty/devang-v-khakhar>, 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 6255, Mobile: 81250 27003, email: faiz@chy.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<sup>th</sup> 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.

Elected  
Year

- 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.
- 2020 **Khosla**, Sanjeev, b. 1969, Ph.D. (IISc), FNA, FNASc, Director, CSIR–Institute of Microbial Technology, Sector 39A, Chandigarh 160 036, Tel. Off. (0172) 269 0785; (0172) 269 0684, Mobile: 99499 52300, Fax (0172) 269 0585; (0172) 269 0132, email: sanjuk@imtech.res.in, URL: <http://www.imtech.res.in/contact/staff/dr-sanjeev-khosla/312>, sp. epigenetics; host-microbe interaction; developmental biology.
- 2006 **Khurana**, Jitendra Paul, b. 1954, Ph.D. (Delhi), FNA, FNASc, FNAAS, FTWAS, 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 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.

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- Elected  
Year
- 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.
- 2010 **Kohli, Ravinder Kumar**, b. 1953, Ph.D. (Amritsar), FNA, FNASc, FNAAS, JC Bose National Fellow, Vice Chancellor, Amity University, Mohali 140 901, Mobile: 98722 01516; 98770 34221, email: rkkohli@pb.amity.edu; rkkohli45@gmail.com, URL: [www.rkkohli.com](http://www.rkkohli.com), sp. experimental ecology; eco-physiology weed science; forestry & botany.
- 2021 **Kolthur-Seetharam, Ullas**, b. 1974, Ph.D. (IISc), FNASc, Department of Biological Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2721, Res. (022) 2280 4592, Mobile: 98672 34806, email: ullas@tifr.res.in; ullaskolthur@gmail.com, URL: <https://www.tifr.res.in/~dbs/faculty/ullas/index.html>, sp. epigenetics; gene expression; mitochondrial metabolism & function; molecular physiology & aging.
- 2010 **Kotha, Sambasivarao**, b. 1957, Ph.D. (Hyderabad), FNA, FNASc, FRSC, 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), 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](https://en.wikipedia.org/wiki/Kolluru_Sree_Krishna), sp. lithospheric dynamics; tectonics; plate tectonics; marine geophysics.

Elected  
Year

- 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; imperfections 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, email: krishnakumar.kanikicharla@gmail.com, sp. monsoon dynamics; predictability & prediction; climate change & impacts; climate applications.
- 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.
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- 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.



- Elected  
Year
- 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 sciences; atmospheric aerosols: microphysics, radiative interactions and climate forcing; equatorial aeronomy.
- 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.
- 2014 **Krishnamurthy**, Manchikanti, b. 1969, Ph.D. (TIFR), Tata Institute of Fundamental Research, 36/P, Gopanpally, Hyderabad 500 046, 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) 2952 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.

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1984	<b>Krishnan</b> , 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, email: vkrishnan@iisc.ac.in; vkrish@jncasr.ac.in, sp. inorganic chemistry & bio-inorganic chemistry. Council Service: 1989–1997; Secretary: 1989–994.
1993	<b>Krishnaswamy</b> , 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.
2003	<b>Krupanidhi</b> , 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	<b>Kulkarni</b> , Giridhar Udapi Rao, b. 1963, Ph.D. (IISc), FNASc, President, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2752; (080) 2362 2762, Res. (080) 2363 2814, Mobile: 94488 25386, email: president@jncasr.ac.in; kulkarni@jncasr.ac.in, sp. nanomaterials; nanolithography & fabrication; neuromorphic devices; molecular systems & properties.
1996	<b>Kulkarni</b> , 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	<b>Kulkarni</b> , 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.

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Year

- 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, Honorary Professor, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2281 Res. (080) 2341 5032, Mobile: 98450 06755, email: anurag@iisc.ac.in; anurageceiisc@gmail.com, sp. communication networks; wireless networks; cyber-physical systems; stochastic modelling.
- 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:<https://mrdg.iisc.ac.in/arun-kumar/>, sp. human molecular genetics; cancer biology; molecular biology.
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- 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.

Elected  
Year

- 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: lalitaiims@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.
- 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, email: kckssc@uohyd.ac.in; kckssc@yahoo.com, sp. organo-phosphorus chemistry; catalytic organic transformations; chemistry of main-group elements.
- 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, Mobile: 94225 06548; 86985 78644, email: gopalc.kundu@kiit.ac.in; gopalkundu@hotmail.com, sp. tumor biology; regulation of gene expression; targeted drug delivery; angiogenesis; cancer stem cells; chemical biology and nanotechnology.

Elected  
Year

- 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 *Mycobacterium tuberculosis*; immunology of the host cell response to *Helicobacter pylori*.
- 2008 **Kundu**, Tapas Kumar, b. 1962, Ph.D. (IISc), D.Sc., FNASc, FNA, JC Bose National Fellow, 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.
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- 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@tifrbng.res.in, sp. partial differential equations; non-linear analysis; variational methods.
- 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, BHU 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.

Elected  
Year

- 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@cnld.bdu.ac.in; lakshman.cnld@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, 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.
- 2021 **Laxmi**, Ashverya, b. 1974, Ph.D. (Delhi), FNA, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2673 5180, Res. (011) 2673 5146, Mobile: 98917 82198, Fax (011) 2674 1658, email: laxmiashverya@rediffmail.com; ashverya\_laxmi@nipgr.ac.in, URL: [http://www.nipgr.ac.in/research/dr\\_laxmi.php](http://www.nipgr.ac.in/research/dr_laxmi.php), sp. plant physiology; plant molecular biology; plant biotechnology.
- 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.
- 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.
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- Elected  
Year
- 2021 **Maddika**, Subba Reddy, b. 1978, Ph.D. (Manitoba), Lab of Cell Death & Cell Survival, Centre for DNA Fingerprinting & Diagnostics, Uppal, Hyderabad 500 039, Tel. Off. (040) 2721 6168, Res. (040) 2980 6961, Mobile: 99639 00011, Fax (040) 2721 6006, email: msreddy@cdfd.org.in; maddikas@gmail.com, URL: [http://www.cdfd.org.in/labpages/ms\\_reddy.html](http://www.cdfd.org.in/labpages/ms_reddy.html), sp. cell biology; cell signalling; protein modifications.
- 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, 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](http://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.
- 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; kkmahajan.npl@gmail.com, sp. atmospheric & space science; ionospheres/atmospheres of earth & other planets.

Elected  
Year

- 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, FNA, 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.
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- 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, Moblie: 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 Sciences Faculty, 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. quantum materials; 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](http://www.physics.iisc.ac.in/~maiti), sp. molecular simulation; soft matter; DNA nanotechnology; confined fluids.



- Elected  
Year
- 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](http://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](http://www.jncasr.ac.in/tmaji), sp. porous materials; inorganic–organic hybrid soft nanomaterials; molecule based magnetic and optoelectronic materials.
- 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; RPC; B-physics & CP-violation; electroweak physics at collider.

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Year
- 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, JC Bose National Fellow, 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, 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.

Elected  
Year

- 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).
- 2017 **Mallik**, Roop, b. 1970, Ph.D. (TIFR), Department of Biosciences & Bioengineering, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7769; (022) 2576 4789, email: rmallik@iitb.ac.in, URL: <http://www.bio.iitb.ac.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.
- 530
- 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.

- Elected  
Year
- 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, Mobile: 98754 43433, email: nibirmandal@yahoo.co.in; 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, 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.
- 2021 **Mandal, Swadin Kumar**, b. 1973, Ph.D. (IISc), Department of Chemical Sciences, Indian Institute of Science Education & Research–Kolkata, Mohanpur 741 246, Tel. Off. (033) 6136 1227, Res. (033) 6136 1827, Mobile: 99036 76563, email: swadhin.mandal@iiserkol.ac.in; swadhin.mandal@gmail.com, URL: <http://swadhin-mandal.weebly.com/>, sp. organometallic chemistry; catalysis.
- 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.

- Elected  
Year
- 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.
- 540
- 2008 **Manna**, Indranil, b. 1961, Ph.D. (Kharagpur), FNASc, FNAE, FNA, FTWAS, DSc (h.c.) Vice Chancellor, Birla Institute of Technology, Mesra, Ranchi 835 215, Tel. Off. (0651) 227 5402, Res. (0651) 227 5401, Mobile: 81278 84422, email: imanna@metal.iitkgp.ac.in; im\_kgp@yahoo.co.in, sp. structure-property correlation in engineering solids; nano-structured materials; surface engineering; laser additive manufacturing; nano/ferro-fluids.
- 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, 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, INSA Honorary Scientist, Madurai Kamaraj University, Madurai; Res. No. 2/201, North 2<sup>nd</sup> 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, 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.

Elected  
Year

- 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.
- 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.), 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 Sahni 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.
- 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.
- 550
- 1996 **Mathur**, Pradeep, b. 1955, Ph.D. (Keele), D.Sc.(h.c.) (Keele), JC Bose National Fellow, Department of Chemistry, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, email: mathur@iitb.ac.in, URL: [www.chem.iitb.ac.in/~mathur](http://www.chem.iitb.ac.in/~mathur), sp. organo-metallics & cluster chemistry.

- Elected  
Year
- 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.
- 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 Shyamlal, 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.

Elected  
Year

- 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.
- 2005 **Mishra**, Gyan Chandra, b. 1947, Ph.D. (Udaipur), FNA, FNASc, NASI Platinum Jubilee Chair, Distinguished Professor, National Centre for Cell Science, 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.
- 560
- 1999 **Mishra**, Manoj Kumar, b. 1952, Ph.D. (Florida), FNASc, Res. A-604, Blue Nile Apartment, Near Hiranandani Hospital, Powai, Mumbai 400 076, email: mmishraiitb@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 2658, Mobile: 94419 02188, Fax (040) 2716 0591, email: mishra@ccmb.res.in, sp. genomics; developmental biology; chromatin; epigenetic regulations.
- 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: 77279 69663, email: kbmisra@gmail.com, sp. reliability, maintainability, availability, risk & safety, sustainability & performability engineering.



- Elected  
Year
- 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.
- 2013 **Mitra**, Debashis, b. 1960, Ph.D. (Jadavpur), FNASc, FNA, Professor of Eminence, National Centre for Cell Science, Ganeshkhind, Pune 411 007, Tel. Off. (020)2570 8151, Mobile: 98230 59841, Fax (020) 2569 2259, email:dmitra@nccs.res.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, Uditia, 1050/1, Survey Park, Kolkata 700 075, Tel. (033) 2418 8209, Mobile: 98312 73257, email: samaresh.mitra@gmail.com, sp. biological chemistry; inorganic biochemistry.
- 570
- 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.

Elected  
Year

- 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; low speed wind-tunnel testing; 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 **Mitra**, 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, Khargar, Navi Mumbai 410 210, Tel. Off. (022) 2740 5136, Fax (022) 2740 5061, email: indraneel.mitra@gmail.com, sp. cancer surgery; cancer biology; cancer prevention. **Council Service**: 2004–06.
- 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), FRCP (London, Glasgow, Edinburgh, Ireland), FNA, FNASc, FTWAS, FRS (Edinburgh), 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. 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.

Elected  
Year

- 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, JC Bose National Fellow, 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.
- 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, Res. (0674) 295 3164, 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.
- 580
- 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.

Elected  
Year

- 2010 **Moorthy**, Jarugu Narasimha, b. 1964, Ph.D. (IISc), Director, Indian Institute of Science Education and Research–Thiruvananthapuram, Maruthamala PO., Vithura, Thiruvananthapuram 695 551, Tel. Off. (0471) 259 7421, Mobile: 94503 43016, email: director@iisertvm.ac.in; moorthy@iisertvm.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.
- 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 110 025, 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, Distinguished Chair Professor, Centres for Research in Engineering, Science and Technology, 16th Floor, Omega, BIPL Building, Blocks EP & GP, Sector 5, Salt Lake, Kolkata 700 091, Tel. Off. 96744 26420, Mobile: 93310 19518, email: pcdemu@gmail.com, sp. theoretical chemistry; theoretical spectroscopy.

Elected  
Year

- 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. inorganic chemistry; supramolecular chemistry/organic materials.
- 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: 99033 82482; 98308 39343, Fax (0512) 259 7436, email: rnm@iitk.ac.in; rnath.mukherjee@gmail.com, URL: <https://www.iitk.ac.in/new//rabindra-nath-mukherjee>, sp. inorganic chemistry; bioinorganic chemistry.
- 590
- 2005 **Mukherjee**, Sunil Kumar, 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](http://www.sunilmukhi.in), sp. string theory; gravitation, quantum field theory, supersymmetry.
- 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](http://www.sunilmukhi.in), sp. string theory; gravitation; quantum field theory; 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**, Dhruvajyoti, 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, Mobile: 94330 92581; 98302 72581, email: dhruba\_38@yahoo.co.uk, sp. structural geology; Precambrian geology.

Elected  
Year

- 2013 **Mukhopadhyay**, Sangita, b. 1966, Ph.D. (Utkal), FNASc, FNA, Group Leader, Laboratory of Molecular Cell Biology, 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: <https://www.cmi.ac.in/~madhavan/>, sp. models for concurrent and distributed systems; distributed algorithms.
- 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.

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Elected  
Year

- 1987 **Munjai**, 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, 7-1-69/1/25, Shobhanadri Apartments, DK Road, Ameerpet, Hyderabad 500 016, Mobile: 98109 27705, email: kambadur2015@gmail.com; kambadurmurali2001@rediffmail.com, sp. biochemistry; endocrinology; reproductive biology.
- 1992 **Murthy**, Mathur Ramabhadraswamy 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: mrn@iisc.ac.in; mrn@iisertvm.ac.in, sp. macromolecular crystallography; virus structure & assembly; protein structure & function; X-ray diffraction.
- 2004 **Murthy**, Mundur Venkatasubbiah Nagaraja b. 1953, Ph.D. (Mysore), Res. 33/4, Ramappa Nagar Main Road, Perungudi, Chennai 600 096, Mobile: 9840749613, 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 6002, 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](http://www.mme.iitm.ac.in/murty), sp. high entropy alloys; nanocrystalline materials & bulk metallic glasses; in-situ composites; non-equilibrium processing; atom probe tomography.

Elected  
Year

- 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.
- 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.
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- 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: drvrmn@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; ickn@iacs.res.in; sp. inorganic chemistry.



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Year
- 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, Mobile: 98483 03895, email: nraj@csirccmb.org; nrajccmb@gmail.com, sp. peptide conformation; membrane biochemistry; host–defence peptides; peptide & protein nanostructures.
- 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) 2972 8227, Mobile: 98867 13958, Fax (080) 2658 4302, email: dknb69@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.

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Year

- 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.
- 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.
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- 2012 **Nair**, Gopinath Balakrish, b. 1954, Ph.D. (Annamalai), FNASc, FNA, FTWAS, Res. No. 3E, SFS Palace Court, TC 5/2380(22), Pipe Lane Road, Kowdiar, Thiruvananthapuram 695 003, Tel. (0471) 243 3857, Mobile: 99998 29379, email: gbnair\_2000@yahoo.com, sp. clinical microbiology; molecular epidemiology; diarrhoeal diseases.
- 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; supra-molecular 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.

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- 2008 **Nangia**, Ashwini, b. 1960, Ph.D. (Yale), FNA, FNASc, FRSC, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4854, Res. (040) 2332 7570, Mobile: 98481 55416; 91722 06021, Fax (040) 2301 2460, email: ashwini.nangia@gmail.com, sp. crystal engineering; supramolecular chemistry; polymorphism; salt-cocrystals.
- 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: ravishn@tropmet.res.in; ravi@iisc.ac.in, URL: [https://www.tropmet.res.in/118-Ravi%20Shankar%20Nanjundiah-scientist\\_detail](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**, Vidyanand, b. 1947, Ph.D. (Chicago), Centre for Human Genetics, Electronic City (Phase 1), 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.
- 1995 **Naqvi**, Syed Wajih Ahmad, b. 1954, Ph.D. (Pune), FNA, FNASc, FTWAS, Geochemistry Fellow, Distinguished Visiting Professor, Department of Earth Sciences, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 2158, Res. (0512) 259 8173, Mobile: 96433 14093, email: wajih\_naqvi@yahoo.com; wnaqvi@iitk.ac.in, 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.
- 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.
- 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.

Elected  
Year

- 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.
- 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.
- 2021 **Narasimhan**, Shobhana, b. 1963, Ph.D. (Harvard), FNASc, Theoretical Sciences Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2833, Res. (080) 2341 3675, Mobile: 98806 41962, Fax (080) 2208 2766, email: shobhana@jncasr.ac.in, sp. condensed matter physics; materials science; nanoscience.
- 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, Director, Rajiv Gandhi Centre for Biotechnology, Thycaud P.O., Poojapura, Thiruvananthapuram 695 014, Tel. Off. (0471) 234 7973; (0471) 252 9400, Mobile: 94486 82721, Fax (0471) 234 9303, email: cbhas@rgcb.res.in; cbhas@jncasr.ac.in, sp. condensed matter physics; light scattering in materials; high pressure research; nano-biotechnology; drug discovery; bio-diagnostics; structural biology.
- 1974 **Narayanamurti**, Venkatesh, b. 1939, Ph.D. (Cornell), Benjamin Peirce 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.

- Elected  
Year
- 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/~rngrp/>, 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.
- 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.
- 640
- 2021 **Nataraj**, Neela, b. 1968, Ph.D. (IIT, Delhi), FNASc, Department of Mathematics, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7468, Res. 98204 20708, Fax (022) 2572 4450, email: neela@math.iitb.ac.in, URL: <http://www.math.iitb.ac.in/~neela/>, sp. numerical analysis; finite element methods; applied mathematics.
- 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.

Elected  
Year

- 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.
- 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.
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Elected  
Year

- 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@sippi.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, Director, Research Institute for Sustainable Energy, Kolkata; Emeritus Professor, 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, Mobile: 98226 28242, email: satishogale@iiserpune.ac.in; satishogale@gmail.com, sp. clean energy harvesting & storage; nanoscience & nanotechnology; metal oxide thin films & spintronics.
- 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.

Elected  
Year

- 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, Tata Consultancy Services, Phase 2, Block A, IIT 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/](http://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.
- 660
- 2010 **Pal**, Amlan Jyoti, b. 1960, Ph.D. (Jadavpur), FNA, FNAE, FNASc, JC Bose National Fellow, Senior Professor, School of Physical Sciences, Indian Association for the Cultivation of Science, Kolkata; Director, UGC-DAE Consortium for Scientific Research, Khandwa Road, Indore 452 001, Tel. Off. (0731) 246 3945, Mobile: 94330 59564, email: director@csr.res.in; 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.



Elected  
Year

- 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; Director, Department of Anatomy, Index Medical College, Indore 452 001, Tel. Res. (0731) 358 5033, 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, National Science Chair and Emeritus Professor, 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; video analytics; safety analytics; deep learning.
- 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) 6136 0012, Res. (033) 6136 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.
- 2004 **Palaniandavar, Mallayan**, b. 1951, Ph.D. (MKU), FNA, Professor of Eminence, 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.

Elected  
Year

- 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.
- 670
- 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.
- 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.

- Elected  
Year
- 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, Adjunct Professor, Discipline of Earth Sciences, Indian Institute of Technology, Gandhinagar; Res. No. 1/2, Aalay Apartments, Vastrapur, Ahmedabad 380 015, Mobile: 87638 65350, email: pcpandey45@yahoo.co.in, sp. satellite oceanography; atmospheric sciences; climate science; 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.
- 1996 **Pandit**, Rahul, b. 1956, Ph.D. (Illinois), FNA, FTWAS, 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.

Elected  
Year

- 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.
- 680
- 1997 **Paranjape**, Kapil Hari, b. 1960, Ph.D. (Bombay), 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) 259 3110, Mobile: 99152 69019, Fax (0172) 224 0266, email: kapil@iisermohali.ac.in, 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.
- 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.

- Elected  
Year
- 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**, Thiruvenkatachari, 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.
- 690
- 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.

- Elected  
Year
- 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, 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; medicinal chemistry.
- 2013 **Pati**, Arun Kumar, b. 1966, Ph.D. (Bombay), FNASc, JC Bose National Fellow, Professor H, Quantum Information and Computation Group, Physics Division, Harish-Chandra Research Institute, Chhatnag Road, Jhansi, 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/](http://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/](http://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.
- 2021 **Patil**, Satish Amrutrao, b. 1974, Ph.D. (Bergische), Solid State & Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2651, Res. (080) 4162 7808, Mobile: 98459 62434, email: spatil@iisc.ac.in, URL: <http://oesscu.in/>, sp. molecular electronics; organic solar cells; singlet fission.
- 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@yahoo.com; lalitblr@gmail.com, URL: [www.limpatnaik.in](http://www.limpatnaik.in), sp. computer science & engineering; information technology; electronics.

- Elected  
Year
- 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?qstrepid=588&qstremptdesigcode=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, School of Materials Sciences, Indian Association for the Cultivation of Science, Kolkata; Director, Institute of Nano Science and Technology, Sector 81, Mohali 140 306, Mobile: 94334 79982, email: amitava@inst.ac.in; amitavapatra.patra@gmail.com, sp. nanoscience; spectroscopy; photophysics.
- 700
- 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.
- 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.
- 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.

Elected Year	
1994	<b>Periasamy</b> , 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: mpsc@uohyd.ac.in; mariappan.periasamy@gmail.com, sp. organometallic & chiral reagents; MP organic energy technologies; self-charging and air-cooling organic batteries; organic air-purifiers.
1994	<b>Periasamy</b> , 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	<b>Pillai</b> , Madhavan Radhakrishna, b. 1960, Ph.D. (Kerala), FRCPATH. (London), FNASc, FAMS, FNA, Res. No. 111, Sharada Bhavanam, Darshan Nagar, Thiruvananthapuram 695 005, Tel. (0471) 273 3819, Mobile: 92077 50099; 99951 99993, email: mrpillai@gmail.com, sp. disease biology, tumor biology, virology.
1992	<b>Pillai</b> , 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.
2003	<b>Pitchappan</b> , 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: <a href="http://www.pitchappan.com/">http://www.pitchappan.com/</a> , sp. human immunogenetics; human genomics; immunology of infectious diseases; transplantation immunology.
1986	<b>Pitke</b> , 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: pitkemv@gmail.com, sp. electronics; telecommunication & information technology; technology transfer;
710	wireless communication.



- Elected  
Year
- 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.
- 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) 4201 4246, 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, Raja SC Mullick Road, 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; nano-materials.
- 1974 **Pradhan**, Trilochan, b. 1929, Ph.D. (Chicago), Visiting Scientist, 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.
- 1992 **Prakasa Rao**, Bhagavatula Lakshmi Surya, b. 1942, Ph.D. (Michigan State), FNA, FNASc, INSA Senior Scientist, CR Rao AIMSCS, 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, FNAE, FNAAS, FRSC, Adjunct Professor, Ramaiah University of Applied Sciences, Bengaluru and Institute of Chemical Technology, Mumbai; Res. No. 58, 5A Main Road, Vontikoppal, Mysore 570 002, Mobile: 98450 48854, email: prakashvish@gmail.com, sp. physical biochemistry; chemistry & thermodynamics of enzymes & macromolecules; biophysics of proteins & enzymes; food chemistry; food biotechnology; nutraceuticals and ayurceuticals.

- Elected  
Year
- 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.
- 720
- 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: guntupalli.vrprasad@gmail.com, sp. vertebrate palaeontology: evolution of mesozoic mammals in India; Cretaceous palaeobiogeography of India.
- 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.

- Elected  
Year
- 2021 **Prasad**, Nagaraj Guru, b. 1974, Ph.D. (JNCASR), FNA, Department of Biological Sciences, Indian Institute of Science Education & Research–Mohali, Sector 81, Knowledge City, SAS Nagar 140 306, Tel. Off. (0172) 224 0266, Mobile: 98724 36249, Fax (0172) 224 0266, email: prasad@iisermohali.ac.in, URL: <http://www.ngprasad.com>, sp. intersexual conflict; life history evolution; evolutionary ecology of immunity.
- 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.
- 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.

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Year

- 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.
- 2021 **Pucadyil**, Thomas John, b. 1976, Ph.D. (CCMB), FNA, Indian Institute of Science Education & Research–Pune, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8204, Res. (020) 2590 8503, Mobile: 78756 24566, email: pucadyil@iiserpune.ac.in; pucadyil@gmail.com, URL: <https://www.pucadyillab.com>, sp. cell biology; biophysics.
- 730
- 2016 **Punniyamurthy**, Tharmalingam, b. 1964, Ph.D. (IIT, Kanpur), FRSC, FNASc, Dean of Faculty Affairs and Professor 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/](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](http://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, Vignana'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.
- 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, 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. (Panjab), FNASc, FNA, Head, Department of 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.
- 740
- 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  
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- 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–.
- 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, 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: 98903 22705, 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. A1/101, Blue Sky Apartments, Aakriti Eco City, Bhopal 462 039, Mobile: 90394 21948, email: srai.choudhury@gmail.com, sp. particle physics.

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- 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.
- 750
- 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, Emeritus 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/](http://www.serc.iisc.ac.in/~rajaram/), sp. computer science; information systems design.
- 1983 **Rajasekaran**, Guruswamy, b. 1936, Ph.D. (Chicago), FNA, FNASc, Adjunct Professor, Chennai Mathematical Institute, Chennai; Professor Emeritus, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2747 0228; (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, Mobile: 99802 30115, Fax (080) 2656 4830, email: traju@nimhans.ac.in; traju.nimhans@gmail.com, sp. ALS; Glial biology and neuronal plasticity.
- 2001 **Ram Sagar**, b. 1952, Ph.D. (Gorakhpur), FNASc, NASI Honorary 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, Mobile: 760 97572 03290, 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.



- Elected  
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.
- 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: sundaresan.ramachandran@gmail.com, sp. alloy & stainless steel making; process metallurgical design & development.
- 2019 **Ramachary**, Dhevalapally B., FRSC, 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, BK Birla & Sarala Birla Chair Professor, Department of Chemistry, Birla Institute of Technology & Science, Hyderabad Campus, Jawaharnagar, Hyderabad 500 078, email: rama@hyderabad.bits-pilani.ac.in; d.ramaiah@gmail.com, sp. bioorganic chemistry; photobiology; biophysical chemistry; organic photochemistry.
- 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.

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Year

- 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.
- 770
- 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.
- 1980 **Ramakrishnan**, Tiruppattur Venkatachalamurti, b. 1941, Ph.D. (Columbia), FNA, FNASc, FTWAS, FRS, Emeritus Professor, Department of Physics, Banaras Hindu University, Varanasi; DST Year of Science Chair Professor, Distinguished Associate, Department of Physics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2581; (080) 2360 0228, Mobile: 94483 63379, email: tvrama2002@yahoo.co.in; tvrama@iisc.ac.in, sp. condensed matter physics; statistical mechanics. Council Service: 2004-09; President: 2004-06.
- 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.

- Elected  
Year
- 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, 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), FNASc, Distinguished Professor, INSA Senior Scientist, 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.
- 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,
- 780 sp. algebraic geometry & differential geometry.

Elected  
Year

- 2000 **Ramaraj**, Ramasamy, b. 1956, Ph.D. (Madras), D.Sc. (Japan), D.Sc. (MKU), FNASc, FNA, Professor of Eminence & 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: ramaraj@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: samirisailam@gmail.com, sp. physical inorganic chemistry; bio-inorganic chemistry; leather science & technology. **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, Mobile: 98807 16418, email: sunramin@gmail.com, sp. stochastic models in insurance.
- 2007 **Ramaswamy**, Mythily, b. 1954, Ph.D. (Paris), FNASc, TIFR Centre for Applicable Mathematics, P.B. No. 6503, 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–.
- 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.

Elected  
Year

- 1996 **Ramaswamy**, Sriram Rajagopal, b. 1957, Ph.D. (Chicago), FNA, FNASc, FRS, Centre for Condensed Matter Theory, 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 **Ramdas**, 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. 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](http://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.
- 790
- 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.
- 1995 **Ranganath**, Hassan Annegowda, b. 1948, Ph.D. (Mysore), FNASc, FNA, Visiting Professor, Centre for Human Genetics, Bengaluru; Res. No. 33, Flat No. 101, Jayalakshmi Residency, 2nd Main, 2nd Cross, Income Tax Layout, Chandra Layout, Bengaluru 560 040, Mobile: 99023 00909, email: haranganath@gmail.com, sp. zoology; genetics; evolution.

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Year

- 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, Director, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2360 0690, Res. (080) 2334 4736, Fax (080) 2360 0936, 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, Chair, Department of Biochemistry, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2540, 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.
- 2021 **Rangwala**, Sadiqali Abbas, b. 1970, Ph.D. (TIFR), Raman Research Institute, CV Raman Avenue, Bengaluru 560 080, Tel. Off. 94808 36149, Res. (080) 2308 9482, Mobile: 94498 39821, email: sarangwala@rri.res.in, sp. atomic physics; molecular physics; quantum optics.
- 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.
- 800
- 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: bjr Rao@iisertirupati.ac.in; bjr Rao1@gmail.com, URL: <http://www.iisertirupati.ac.in/research/biology/>, sp. genome dynamics; biology of cellular adaptations; computational biology.
- 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 decision; meeting held on December 1 & 2, 2018).
- 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.
- 810



- 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:nvcr100@gmail.com; nvcrao@bhu.ac.in, URL: <https://bhu.ac.in/science/geology/nvcrao.php>, 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), Res. Lotus 42, L&T Serene County, Urdu University Road, Telecom Nagar, Gachibowli, Hyderabad 500 032, Tel. (040) 2300 3888, Mobile: 97047 52569, email: pbrao\_nmrf@yahoo.co.in; pbraonrsc@gmail.com, sp. space physics; radio & radar techniques for atmosphere & ionosphere probing.
- 2001 **Rao**, Ramachandra Raghavendra, b. 1945, Ph.D. (Mysore), FNA, FNASc, Res. No. 328, B-4, Kendriya Vihar, Yelahanka, Bengaluru 560 064, 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.
- 820
- 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.

- 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. bio-inorganic chemistry; multi-heme proteins/enzymes; chemical biology; medicinal inorganic chemistry.
- 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](http://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, FNAE, 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. nano-materials; electron microscopy; energy applications.

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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.
- 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.
- 2021 **Reddy, Dumbala Srinivasa**, b. 1971, Ph.D. (Hyderabad), FNASc, Director, CSIR–Indian Institute of Integrative Medicine, Post Bag No. 3, Canal Road, Jammu 180 001, Tel. Off. (0191) 258 4999; (0191) 258 5222, Mobile: 98509 52349, Fax (0191) 258 6333, email: reddy.ds@iiim.res.in, URL: <http://academic.ncl.res.in/ds.reddy>, sp. total synthesis; medicinal chemistry; drug discovery.

- Elected  
Year
- 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.
- 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, Mobile: 94270 18152, Res. (02717) 24 3107, Fax (079) 2631 4900, email: saurabh@prl.res.in; sdrindani@gmail.com, sp. particle physics.
- 2021 **Romshoo, Shakil Ahmad**, b. 1964, Ph.D. (Tokyo), Department of Earth Sciences, University of Kashmir, Hazratbal, Srinagar 190 006, Tel. Off. (0194) 231 4246, Res. (0194) 231 5391, Mobile: 94190 10924, Fax (0194) 231 1357, email: shakilrom@kashmiruniversity.ac.in, URL: <http://deanres.uok.edu.in/main/default.aspx>, sp. glaciology; climate change; geoinformatics.
- 840
- 1993 **Roy, Aditya Prasad**, b. 1939, Ph.D. (McMaster), Res. Flat No. 16031, Prestige Ferns Residency, Haralur Road, Bengaluru 560 102, 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, Guest 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.

Elected  
Year

- 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.
- 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.
- 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, Mobile: 98745 32967, email: 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 H, 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.

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- Elected  
Year
- 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, CSIR Emeritus Scientist, Malabar Botanical 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.
- 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](http://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.
- 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.

Elected  
Year

- 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.
- 2021 **Sahoo**, Akhila Kumar, b. 1972, Ph.D. (Pune), FNASc, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4822, Mobile: 99082 21898, email: akssc@uohyd.ac.in, URL: <https://chemistry.uohyd.ac.in/~aks/>, sp. organic synthesis; organometallic/energetic materials; difunctionalisation of ynamides.
- 2019 **Sahu**, Arvind Kesarilalji, b. 1963, Ph.D. (Delhi), FNASc, FNA, JC Bose National Fellow, 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.
- 1993 **Saidapur**, Srinivas Kishanrao, b. 1947, Ph.D. (Karnatak), FNA, FNASc, FTWAS, Res. TF-1, Trigunatmika Apartments, Haliyal Road, Near Dasankoppa Circle, Bharati Nagar, Saptapur, Dharwad 580 001, Mobile: 96633 78259, email: saidapur@gmail.com, sp. biology of reproduction; comparative endocrinology; herpetology; animal behaviour.
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- 2021 **Sain**, Kalachand, b. 1964, Ph.D. (Osmania), FNA, FNASc, Wadia Institute of Himalayan Geology, 33, GMS Road, Dehra Dun 248 001, Tel. Off. (0135) 252 5101, Res. (0135) 252 5622; (0135) 264 9434, Mobile: 94409 64038, Fax (0135) 262 5212, email: director@wihg.res.in; kalachandsain7@gmail.com, URL: <https://kalachandsain.wixiste.com/saink>, sp. gas-hydrates & sub-volcanic mesozoics; geotectonicsw & earthquake process; artificial intelligence.
- 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: dinakar.salunke55@gmail.com; icgeb.director@gmail.com, sp. structural biology; macromolecular crystallography; immunology; biotechnology.



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Year

- 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, Mobile: 94404 99681, email: [anunay@uohyd.ac.in](mailto:anunay@uohyd.ac.in); [anunay.samanta@gmail.com](mailto: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, Distinguished Professor, International Centre for Cosmology, Charusat University of Science and Technology, Changa, Anand 388 421 Mobile: 99908 40273, email: [samijamia@gmail.com](mailto:samijamia@gmail.com), 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) 2308 9516, Mobile: 94837 42993, Fax (080) 2360 6867, email: [sampath@iisc.ac.in](mailto: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, JC Bose National Fellow, Homi Bhabha Centre for Science Education, Mumbai; 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](mailto:sampathev@gmail.com), sp. magnetism; superconductivity; Kondo lattices; strong electron correlations; geometrical frustration; spin-chain behaviour; multiferroics.
- 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](mailto:rajsane@hotmail.com); [saneraj@rediffmail.com](mailto:saneraj@rediffmail.com), sp. plant biochemistry; plant molecular biology; photosynthesis.
- 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](mailto:sane@ncbs.res.in), URL: [www.ncbs.res.in/sane](http://www.ncbs.res.in/sane), sp. neuroethology; biomechanics; fluid mechanics.

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Year
- 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, Bengaluru; Res. 504, Block C-7, Kendriya Vihar, Bellary 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.
- 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](http://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 quality control; enzyme mechanisms.

- Elected  
Year
- 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: sankararaman@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, 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.
- 2001 **Sanyal**, Milan Kumar, b. 1954, 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) 4603 5577, Mobile: 98742 35010, Fax (033) 2337 4637, email: milank.sanyal@saha.ac.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 Science and Regenerative Medicine, GKVK Campus, Bellary Road, Bengaluru 560 065, Tel. Off. (080) 6194 8200, Fax (080) 2366 6462, email: sarina@instem.res.in; sarina@ncbs.res.in, sp. immunology; cell biology; apoptosis.
- 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.

Elected  
Year

- 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 and Guwahati; Department of Pathology, 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.
- 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; 70035 52154. email: abya@iitk.ac.in; protozyme@gmail.com, URL: <http://home.iitk.ac.in/~abya/>, sp. metallo-proteins; atherosclerosis; nanocarbons; 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; utpal.sarkar.prl@gmail.com, sp. particle & astroparticle physics.

Elected  
Year

- 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, 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) 295 7779, 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](mailto:sasi@mit.edu), sp. molecular biophysics.
- 890
- 2013 **Sastry**, Garikapati Narahari, b. 1966, Ph.D. (Hyderabad), FNASc, FNA, FRSC, JC Bose National Fellow, Director, CSIR–North East Institute of Science and Technology, Jorhat 785 006, email: [gnsastry@gmail.com](mailto:gnsastry@gmail.com); [gnsastry@neist.res.in](mailto:gnsastry@neist.res.in), sp. computational chemistry; theoretical chemistry; computer-aided drug design, machine learning and data science.
- 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](mailto: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](mailto:sastry@jncasr.ac.in), URL: <http://www.jncasr.ac.in/sastry>, sp. statistical mechanics; liquids; glass transition; glasses & other structurally arrested matter.

- Elected  
Year
- 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; (080) 2293 3585, Res. (080) 2357 0274, Mobile: 94483 60274, Fax (080) 2360 0865, email: [satheesh@iisc.ac.in](mailto:satheesh@iisc.ac.in); 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, Indian Institute of Science Education and Research, Mohali; Res. A306 GCorp Mahalakshmi Apartments, 23A Cross, 3rd Main, Sahakarnagar, Bengaluru 560 092, Mobile: 97791 44905, email: [nsathyamurthy@gmail.com](mailto: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](mailto: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](mailto:saket@imsc.res.in); [saket.sa@gmail.com](mailto:saket.sa@gmail.com), URL: <https://sites.google.com/view/sakethome>, sp. theoretical computer science; graph algorithms & graph theory; parameterized complexity.
- 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. Res. (080) 2337 2981, Mobile: 94483 79380, email: [hss@alumni.iisc.ac.in](mailto:hss@alumni.iisc.ac.in); [hssavithri@gmail.com](mailto:hssavithri@gmail.com), sp. plant molecular virology; protein chemistry; enzymology.
- 2021 **Saxena**, Nitin, b. 1981, Ph.D. (IIT, Kanpur), Department of Computer Science & Engineering, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 679 7588, Res. (0512) 679 8615, Mobile: 89530 36836, email: [nitin@cse.iitk.ac.in](mailto:nitin@cse.iitk.ac.in), URL: <https://www.cse.iitk.ac.in/users/nitin/>, sp. algebraic complexity theory; computational algebra; number theory; cryptology.

- Elected  
Year
- 1993 **Saxena**, Rajiv Krishna, b. 1951, Ph.D. (AIIMS), FNA, FNASc, JC Bose National Fellow, Professor Emeritus, INSA Senior Scientist, Faculty of Life Sciences & Biotechnology, South Asian University, Akbar Bhawan, Chanakyapuri, New Delhi 110 021, Tel. Off. (011)2419 5297, Mobile: 99100 48241, Fax (011)2412 2511, email: rajivksaxena@hotmail.com; rksaxena@southasianuniversity.org, URL: www.rajivsaxena.info, sp. immunology; nanotoxicology; 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.
- 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.

Elected  
Year

- 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](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](http://www.cse.iitd.ac.in/~ssen), sp. sequential & parallel algorithms; probabilistic analysis & randomization; computational geometry.
- 2012 **Sengupta, Krishnendu**, b. 1970, Ph.D. (Maryland), FNASc, FNA, 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: tps@iacs.res.in; ksengupta1@gmail.com, sp. condensed matter theory.
- 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.
- 910
- 2006 **Sengupta, Surajit**, b. 1962, Ph.D. (IISc), Professor I, Tata Institute of Fundamental Research, 36/P, Gopanpally, Hyderabad 500 046, Tel. Off. (040) 2020 3089, email: surajit@tifrh.res.in, sp. condensed matter physics; statistical mechanics; materials science.
- 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](http://sls.uohyd.ac.in/new/fac_details.php?fac_id=71), sp. reproductive biology; molecular endocrinology of fishes; endocrine toxicology.



- Elected  
Year
- 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.
- 2011 **Shankar**, Doraiswamy, b. 1967, Ph.D. (Goa), FNASc, CSIR–National Institute of Oceanography, Dona Paula, Goa 403 004, Tel. Off. (0832) 245 0312, 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.

- Elected  
Year
- 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) 2686 7022, Mobile: 98183 55884, email: asharma@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, 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.
- 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.
- 2021 **Sharma, Seema**, b. 1979, Ph.D. (TIFR), Department of Physics, Indian Institute of Science Education & Research–Pune, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8228, Mobile: 95525 45568, email: seema@iiserpune.ac.in, sp. experimental high energy physics; particle detectors & simulation; data analysis & big data mining.

- Elected  
Year
- 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.
- 2021 **Sharma, Tilak Raj**, b. 1965, Ph.D. (HP Agr. Univ.), FNA, FNASc, FNAAS, Deputy Director-General (Crop Science), Indian Council of Agricultural Research, Krishi Bhavan, New Delhi 110 001, Tel. Off. (011) 2338 2545, Mobile: 98183 86057, Fax (011) 2309 7003, email: trsharma1965@gmail.com; ddgcs.icar@nic.in, sp. plant genomics; plant disease resistance.
- 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.
- 930
- 2008 **Sharma, Yogendra**, b. 1959, Ph.D. (Calcutta), FNASc, FNA, JC Bose National Fellow, Dean, Indian Institute of Science Education and Research, Berhampur; CSIR–Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500 007, Mobile: 99086 30358, email: yogendra@ccmb.res.in; yogen.ccmb@gmail.com, URL: <https://www.ccmb.res.in/People/Research-Group/Yogendra-Sharma> sp. biophysics; 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, Massachusetts, USA; Res. No. 8802, Edward Gibbs Place, Alexandria, VA 22309, 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; graphene-based 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 **Shastry**, 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) 426-3115, email: sriram@physics.ucsc.edu, sriram@ucsc.edu, URL: physics.ucsc.edu/~sriram/sriram.html, sp. strongly correlated fermi systems; quantum integrable systems.
- 2007 **Shenoi**, Sadananda Satheesh Chandra, b. 1958, Ph.D. (Cochin), FNASc, Res. Villa 15, SRR Ridge, Bachupally, Nizampet P.O., Hyderabad 500 090, Mobile: 94410 13377, email: 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 500 046, 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.
- 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.

Elected  
Year

- 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, Mysore; Res. No. 72, 19th Cross, Vijaynagara 3rd Stage, C-Block, Mysore 570 030, Tel. Res. (0821) 295 2426, Mobile: 94498 37566; 70193 21432, email: hss\_uom@hotmail.com; hss@appbot.uni-mysore.ac.in, sp. seed biology; seed pathology & technology; molecular plant pathology; biotechnological approaches for stress management in plants.
- 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 Emeritus and Distinguished Scientist, Prof. Brien Holden Eye Research Centre, LV Prasad Eye Institute, LV Prasad Marg, Banjara Hills, Hyderabad 500 034, Tel. Off. (040) 3061 2511, Mobile: 98496 50285, Fax (040) 2354 8271, email: shivas@lvpei.org, sp. antimicrobial resistance; gut microbiome & eye diseases; ocular microbiome; conservation biology; mammalian sperm function; bacterial biodiversity of cold habitats; cold adaptation.
- 940
- 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

- 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: sdsil@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–.
- 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.
- 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.

Elected Year	
1991	<b>Simon, Rajiah</b> , 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: simonrajiah@gmail.com, sp. quantum & classical optics; quantum information science; foundations of quantum theory.
1950	
2001	<b>Singh, Anil Kumar</b> , b. 1952, Ph.D. (IIT, Kanpur), FNASc, Independent Director, Rashtriya Chemicals & Fertilizers Ltd., Mumbai; Adjunct Professor, 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	<b>Singh, Balwant</b> , 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	<b>Singh, Bam Bahadur</b> , 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	<b>Singh, Bhim</b> , 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	<b>Singh, Harkesh Bahadur</b> , 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.

Elected  
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, JC Bose National Fellow, CNR Rao Rotating Chair Professor, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 236 8127, 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. synthetic organic chemistry; chemistry of dithioesters & 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, Manasa-gangotri, 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.
- 2021 **Singh**, Pradeep Kumar, b. 1963, D. Engineering (Clausthal), FNASc, CSIR-Central Institute of Mining & Fuel Research, Barwa Road, Dhanbad 826 015, Tel. Off. (0326) 229 6023, Res. (0326) 229 6299, Mobile: 94311 24155, Fax (0326) 229 6025, email: pradeep.cimfr@yahoo.com; drpksingh@cimfr.nic.in, sp. rock mechanics; mining methods; rock excavation technologies; coal characterisation & clean coal technologies.
- 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.



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Year
- 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; rishiprema@gmail.com, sp. geophysics; geophysical, environmental & earth system modelling.
- 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 & Honorary Distinguished Professor, 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.

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Year
- 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.
- 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: niknavin@gmail.com, sp. discrete mathematics; designs & finite geometries.
- 970
- 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](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@jncasr.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.
- 2021 **Sinha**, Rajiv, b. 1965, Ph.D. (Cambridge), FNASc, Department of Earth Sciences, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 679 7317, Res. (0512) 679 8218, Mobile: 99355 58218, Fax (0512) 679 6469, email: rsinha@iitk.ac.in, URL: <http://home.iitk.ac.in/~rsinha>, sp. river science, quaternary geology, remote sensing applications.
- 1999 **Sinha**, Somdatta, b. 1951, Ph.D. (JNU), FNA, FNASc, Adjunct Professor, Indian Institute of Science Education and Research–Kolkata, Mohanpur 741 246, Mobile: 89687 44849, email: somdattasinha@gmail.com, sp. theoretical biology; complex systems in biology; nonlinear dynamics; computational biology. **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, Department of Physical Sciences, Indian Institute of Science Education and Research–Mohali, Sector 81, Knowledge City, Manauli P.O., SAS Nagar 140 306, Mobile: 99156 62755, email: sudeshna@iisermohali.ac.in, URL: [https://web.iisermohali.ac.in/dept/physics/Sudeshna\\_Sinha.html](https://web.iisermohali.ac.in/dept/physics/Sudeshna_Sinha.html), sp. nonlinear dynamics; chaos; complex systems; dynamical networks.

Elected  
Year

- 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.
- 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. No. 19, Ignacy Maistri Street, Puducherry 605 001, 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, CSIR–Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2577, Mobile: 94410 55295, Fax (040) 2716 0591, email: sonti@ccmb.res.in; rameshvsonti@gmail.com, sp. plant-microbe interactions; plant genetics; bacterial genetics.

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- 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.
- 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.
- 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) 2590 8666, Mobile: 94226 44463, Fax (020) 2025 1566, email: tarun@iiserpune.ac.in; tarun.souradeep@gmail.com, URL: http://www.iiserpune.ac.in/~tarun, sp. cosmology; high energy physics; early universe.
- 990
- 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.

Elected  
Year

- 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.
- 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, Vidyananyapura, 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.
- 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.
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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, Visiting Professor, 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; deepak.srivastava@es.iitr.ac.in, sp. structural geology & fluid inclusions. Council Service: 2019-.
- 2011 **Srivastava**, Rajesh Kumar, b. 1961, Ph.D. (Banaras), FNASc, Centre for Advanced Study, Department of Geology, Institute of Science, Banaras Hindu University, Varanasi 221 005, Mobile: 94158 12079; 93369 06925, email: rajeshgeolbhu@gmail.com; rajeshgeolbhu@bhu.ac.in, sp. igneous petrology; geochemistry; precambrian tectonics.
- 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@iisc.ac.in; gsr@iisc.ac.in; gsr@iisc.ac.in; gsr@iisc.ac.in, sp. synthetic & mechanistic organic chemistry; natural products chemistry.

Elected  
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](mailto: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](mailto: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](mailto: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, CSIRO Astronomy & Space Science, 26, Dick Perry Ave, Kensington WA 6151, Australia, email: [ravi.subrahmanyam@csiro.au](mailto:ravi.subrahmanyam@csiro.au); [subrahmanyam.ravi@gmail.com](mailto:subrahmanyam.ravi@gmail.com), sp. radio astronomy; observational cosmology.
- 1010
- 2014 **Subramaniam**, Annapurni, b. 1968, Ph.D. (Bangalore), FNASc, Director, 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](mailto: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](mailto:subbu@iitm.ac.in), URL: <https://biotech.iitm.ac.in/index.php/k-subramaniam/>, sp. developmental biology; genetics; cell biology.
- 1972 **Subramaniam**, 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](mailto:subramaniansakku@gmail.com), sp. plant physiology & pathology; biochemistry; microbiology & biotechnology.



Elected  
Year

- 2010 **Subramanian**, Kandaswamy, b. 1957, Ph.D. (TIFR), FNA, 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.
- 1986 **Sukhatme**, Suhas Pandurang, b. 1938, Sc.D. (MIT), FNA, FNASc, FNAE, Professor Emeritus, Indian Institute of Technology, Mumbai; Res. 2-A/8-C, Anjaneya Co-op. Housing Society, Orchard Avenue, Opp. Hiranandani Foundation School, Powai, Mumbai 400 076, Tel. Res. (022) 2570 1052, Mobile: 98696 16911, email: spsiitb@yahoo.co.uk, sp. heat transfer; solar energy. Council Service: 1998–2000.

- Elected  
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.
- 1020
- 1999 **Sundar**, Chakram Sampathkumaran, b. 1952, Ph.D. (Madras), FNASc, FNA, JC Bose National Fellow, Res. No. 3/33, Ramappa Nagar Main Road, Perungudi, Chennai 600 096, Tel. (044) 2748 1192, Mobile: 97905 22807, email: sundarcss@gmail.com, 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@iisc.ac.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, Thiruvanniyur, Chennai 600 041, Tel. (044) 2451 6082, Mobile: 94449 50534, email: viakalathursunder@gmail.com, URL: [www.imsc.res.in/~sunder/](http://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. (IISc), 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; physical organic chemistry; asymmetric catalysis.
- 1030
- 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.
- 2021 **Suresh Babu**, Surendran Nair, b. 1976, Ph.D. (Kerala), Space Physics Laboratory, Vikram Sarabhai Space Centre, Thumba Post, Thiruvananthapuram 695 022, Tel. Off. (0471) 256 2404, Mobile: 94469 80533, Fax (0471) 270 6535, email: s\_sureshbabu@vssc.gov.in; sureshspls@vssc@gmail.com, sp. atmospheric science; aerosol-radiation interaction; radiative forcing & climate.

Elected  
Year

- 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.
- 1987 **Surolia**, Avadhesh, b. 1947, Ph.D. (Vellore), FNA, FNASc, FTWAS, SERB Distinguished 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@jnca.ac.in, sp. molecular parasitology; biochemistry; molecular biology.
- 1987 **Susheela**, Andezhath Kumaran, b. 1937, Ph.D. (Baroda), FAMS, FNASc, 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: frnrdf.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.

- Elected  
Year
- 2013 **Swaminathan**, Soumya, b. 1959, MD (AIIMS), FNASc, FAMS, FNA, Chief Scientist, World Health Organization, 20 Avenue Appia, 1211 Geneva, Switzerland, email: doctorsoumya@yahoo.com, sp. paediatrics; tuberculosis; HIV/TB; public health.
- 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.
- 1040
- 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.
- 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: 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, New Delhi 110 068, Mobile: 88003 22055, email: gptalwar@gmail.com, sp. mission oriented research in reproductive health; vaccines against leprosy & tuberculosis; drugs resistant cancers.
- 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.

- Elected  
Year
- 1987 **Tandon**, Sampat Kumar, b. 1945, Ph.D. (Delhi), FNA, FNASc, FTWAS, Adjunct 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, Pune 411 008, Tel. (020) 2588 7051, email: sntandon@iucaa.in, sp. cosmic rays; infra-red astronomy; ultraviolet astronomy; instrumentation for astronomy & space astronomy.
- 1985 **Taqi 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.
- 1050
- 2015 **Thangaraj**, Kumarasamy, b. 1963, Ph.D. (Madras), FNA, FNASc, JC Bose National Fellow, Chief Scientist, Centre for Cellular and Molecular Biology, Hyderabad; Director, Centre for DNA Fingerprinting and Diagnostics, Inner Ring Road, Uppal, Hyderabad 500 039, Tel. Off. (040) 2721 6003; (040) 2716 0012, Mobile: 99082 13822, Fax (040) 2716 0591, email: director@cdfd.org.in; thangs@ccmb.res.in, URL: <https://www.ccmb.res.in/People/Research-Group/K-Thangaraj>, 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 Computer and Information Science, University of Pennsylvania, Philadelphia, PA 19104, USA, email: psthiagu@gmail.com, sp. computational systems biology; 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.
- 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: narendratuteja@gmail.com, sp. plant molecular biology; biotechnology, 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; mango malformation.
- 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: akt1003@gmail.com; akt1003@rediffmail.com, sp. molecular biology; biochemistry; microbiology.
- 2013 **Tyagi**, Avesh Kumar, b. 1964, Ph.D. (Bombay), FNASc, FRSC, Associate Director, Chemistry Group, Bhabha Atomic Research Centre, Mumbai; Senior Professor, 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; energy materials; nanomaterials; nuclear materials and 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, 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; endo phytes.
- 2004 **Umapathy**, Siva, b. 1959, Ph.D. (Otago, New Zealand), Director, Indian Institute of Science Education and Research–Bhopal, Bhaury 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.umapathy@gmail.com, sp. ultrafast dynamics; instrumentation development; laser spectroscopy; photochemistry; biophotonics; microspectroscopy.
- 2021 **Vaidya**, Vidita Ashok, b. 1970, Ph.D. (Yale), FNA, Department of Biological Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2608, Res. (022) 2280 4859, Mobile: 84549 48703, Fax (022) 2280 4610, email: vvaidya@tifr.res.in, URL: <https://www.tifr.res.in/~dbs/faculty/vvlab/research.html>, sp. Neuroscience; pharmacology; behaviour.
- 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.
- 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.
- 1070

Elected  
Year

- 2002 **Vankar**, Yashwant Dattatraya, b. 1950, Ph.D. (Banaras), FNA, Emeritus Professor, School of Chemistry, Indian Institute of Science Education & Research, Thiruvananthapuram; Res. D-602, Imperial Heights, Near BEST Nagar Colony, Behind Oshiwara Bus Depot, Goregaon (West), Mumbai 400 104, Mobile: 99350 62562, email: ydvankar@gmail.com; vankar@iisertvm.ac.in, 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, 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.
- 2021 **Varma**, Manik, Ph.D. (Oxford), FNAE, Microsoft Research India, 9, Lavelle Road, Bengaluru 560 001, Tel. Off. (080) 6658 6000, email: manik@microsoft.com, URL: <http://www.manikvarma.org>, sp. machine learning; artificial intelligence.
- 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.

- Elected  
Year
- 2002 **Varshney**, Umesh, b. 1957, Ph.D. (Calgary), FNA, FNASc, FTWAS, JN Tata Chair Professor, Department of Microbiology & Cell Biology, 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.
- 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; intercalation chemistry; heterogeneous catalysis.
- 2019 **Veerappa Gowda**, Gaddemane Dyavappa Gowda, b. 1955, Ph.D. (Paris-Dauphine), FNA, FNASc, TIFR Centre for Applicable Mathematics, P.B. No. 6503, Sharada Nagar, Yelahanka New Town, Bengaluru 560 065, Tel. Off. (080) 6695 3743, 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.
- 1080
- 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.

Elected  
Year

- 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.
- 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, FNASc, 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: <https://sites.google.com/view/mahendra-verma>, sp. turbulence; nonlinear dynamics; nonequilibrium statistical physics.

- Elected  
Year
- 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.
- 1992 **Vidyasagar, Mathukumalli**, b. 1947, Ph.D. (Wisconsin), FRS, FNA, FNAE, FTWAS, SERB National Science Chair & 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/](http://www.iith.ac.in/~m_vidyasagar/), sp. control & system theory; machine learning; compressed sensing; computational cancer biology.
- 1090
- 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 **Vijayamohanana, 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.vijayamohanana@gmail.com; vijay@iiserirtirupati.ac.in, URL: <http://iiserirtirupati.irins.org/profile/95601>, sp. electrochemistry; materials chemistry; batteries, fuel cells and supercapacitor; two dimensional 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.

Elected  
Year

- 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.
- 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@mcbi.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, Mobile: 98457 40257, email: vinay@iisc.ac.in, URL: <http://caos.iisc.ac.in/vinay.html>, sp. physical oceanography; ocean modelling; physical-biological interactions in the ocean; ocean-river interactions.
- 2002 **Vishveshwara**, Saraswathi, b. 1946, Ph.D. (CUNY), FNASc, NASI Honorary 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; biomolecular structure & function, biological networks.
- 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.

- Elected  
Year
- 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.
- 1100
- 2004 **Vrati**, Sudhanshu, b. 1960, Ph.D. (ANU, Canberra), FNA, 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 & Emeritus 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, FNAE, 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](http://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.

- Elected  
Year
- 2017 **Yadav**, Ganapati Dadasaheb, b. 1952, Ph.D. (Bombay), D.Sc. (h.c. FNA, FNASc, FTWAS, FNAE, FRSC, JC Bose National Fellow, Res. No. A1201, Palm Springs CHS, Plot No. 11-12-13, Sector 7, Airoli, Navi Mumbai 400 708, Mobile: 98330 90510, email: gdyadav@gmail.com; gdyadav@yahoo.com, sp. green chemistry & engineering; catalysis science & engineering; biotechnology; energy engineering.
- 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.
- 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. 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 and simulation of marine biogeochemical processes; climate data analysis; modelling of mechanical systems; fluid mechanics.
- 1110
- 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; novel separation methods.



Elected  
Year

- 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.
- 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, Director, Institute of Physics, Bhubaneswar; Department of Physical Sciences, Homi Bhabha National Institute, Mumbai; Associate Director, Physics Group, Bhabha Atomic Research Centre, Trombay, Mumbai 400 085, 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.
- 1114

Resignation to the fellowship

**Milind G. Watve - 2019**

**N V Joshi - 2020**

## **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

- 1996 **Ashtekar**, Abhay, b. 1949, Member-US Natl. Acad. Sci., Evan Pugh Professor of Physics, 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](mailto:ashtekar@gravity.psu.edu), URL: <http://www.gravity.psu.edu/people/Ashtekar/>.
- 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](mailto:bsatal@uw.edu); [my.bsatal@gmail.com](mailto:my.bsatal@gmail.com).
- 2009 **Bai**, Chunli, b. 1953, Honorary President, Presidium Division, Chinese Academy of Sciences, 52, Sanlihe Road, Beijing 100864, China, Tel. Off. (+86-10) 8261 4810, email: [clbai@cas.cn](mailto: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, email: [asymptotico@bristol.ac.uk](mailto: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](mailto:bhargava@math.princeton.edu), URL: <https://www.math.princeton.edu/directory/manjul-bhargava>.
- 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](mailto: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](mailto:akc30@cam.ac.uk).

- Elected  
Year
- 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: [claudet@kb.ens.fr](mailto:claudet@kb.ens.fr); [claudect@gmail.com](mailto:claudect@gmail.com).
- 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](mailto: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](mailto: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](mailto: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](mailto:jgoodenough@mail.utexas.edu).
- 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](mailto: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](mailto:gross@kitp.ucsb.edu), URL: <http://www.kitp.ucsb.edu/>.
- 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](mailto:dhartl@oeb.harvard.edu).

- Elected  
Year
- 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, b. 1957, 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/>
- 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.

- Elected  
Year
- 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.
- 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/>.
- 2016 **Narayan**, Ramesh, b. 1950, FRS, Member (Natl. Acad. Sci.), FTWAS, 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>.
- 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.

Elected  
Year

- 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/>.
- 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, Fax (+49-551) 393 3373, email: hroesky@gwdg.de, URL: [www.roesky.chemie.uni-goettingen.de](http://www.roesky.chemie.uni-goettingen.de).
- 2019 **Sachdev**, Subir, b. 1961, Herchel Smith Professor, 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/>.

- Elected  
Year
- 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.  
40 mso.anu.edu.au/~brian/](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.
- 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/](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  
47 (+1-650) 725 0259, email: zare@stanford.edu.



**FELLOWS  
ELECTED IN 2020  
(effective January 2021)**

**FELLOWS**

- |                           |                          |
|---------------------------|--------------------------|
| 1. Agrawal, Amit          | 20. Narasimhan, Shobhana |
| 2. Banerjee, Anjan K      | 21. Nataraj, Neela       |
| 3. Banerjee, Rahul        | 22. Patil, Satish A      |
| 4. Basak, Soumen          | 23. Prasad, N G          |
| 5. Basu, Jaydeep K        | 24. Pucadyil, Thomas     |
| 6. Bharadwaj, Somnath     | 25. Rangwala, Sadiqali A |
| 7. Chakravorty, Dipshikha | 26. Reddy, Srinivasa     |
| 8. Chandrasekar, R        | 27. Romshoo, Shakil A    |
| 9. Chowdhary, Anuradha    | 28. Sahoo, Akhila K      |
| 10. Dutta, Amit           | 29. Sain, Kalachand      |
| 11. Garg, Pramod K        | 30. Saxena, Nitin        |
| 12. Goel, Atul            | 31. Sharma, Seema        |
| 13. Guha, Debatosh        | 32. Sharma, T R          |
| 14. Gun, Sanoli           | 33. Singh, Pradeep K     |
| 15. Gupta, Neena          | 34. Sinha, Rajiv         |
| 16. Kolthur-Seetharam, U  | 35. Suresh Babu, S       |
| 17. Laxmi, Ashverya       | 36. Vaidya, Vidita A     |
| 18. Maddika, S R          | 37. Varma, Manik         |
| 19. Mandal, Swadhin K     |                          |

## SUBJECT-WISE LIST OF FELLOWS

### ANIMAL SCIENCES

*Total Fellows: 54*

<i>Name</i>	<i>Specialisation</i>
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, R R	Molecular Endocrinology, Reproductive Biology, Biochemistry
Dube, Anuradha	Parasite (Leishmania), Immunobiology, Drug Vaccine Development
Gadagkar, R	Animal Behaviour, Ecology and Evolution
Gadgil, Madhav D	Ecology, Ecological History, Environmental Management and Traditional Knowledge Systems
Gore, A 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
Karant, 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, Rakesh K	Genomics, Developmental Biology, Chromatin Epigenetics, Regulations
Mohanty-Hejmadi, Priyambada	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
Prasad, N G	Intersexual Conflict, Life History Evolution, Evolutionary Ecology of Immunity
Ramachandra, N B	Drosophilla Genetics & Evolution, Human Genetic Disorders, Genome Genetics
Raman, Rajiva	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, S P	Neuroethology, Biomechanics, Fluid Mechanics
Senthilkumar, B	Reproductive Biology, Molecular Endocrinology, of Fishes, 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
Subramaniam, K	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
Vaidya, Vidita A	Neuroscience, Pharmacology, Behaviour

## CHEMISTRY

Total Fellows: 201

<b>Name</b>	<b>Specialisation</b>
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	Synthetic Organic Chemistry, Molecular Rearrangements, Heterocyclic Chemistry, Carbohydrate Chemistry, Organic Photochemistry
Balasubramanian, S	Ionic Liquids, Moulding Enzymes, Supramolecular Polymers, Molecular Simulations, Computational Chemistry
Banerjee, Arindam	Molecular Assembly, Soft Materials & Hybrid Nanomaterials, Bio-organic Chemistry
Banerjee, Rahul	Structural Chemistry, Crystal Engineering, Porous Materials, Gas Storage, COFs
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, Membrane Biophysics, Soft Matter Supramolecular Analytical Chemistry, Nanoscience & Nanotechnology
Bhattacharyya, Aninda J	Materials chemistry, Electrochemistry
Bhattacharyya, Kankan	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, Animesh	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
Chandrasekar, R	Organic Nanophotonics, Single Particle Microscopy & Spectroscopy, Materials Chemistry & 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	Machine Learning, 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, P	Drug Delivery, Crystal Engineering, Supramolecular Gels, Co-ordination Polymers
Deb, B M	Theoretical Chemistry and Chemical Physics, Indian Culture & Civilisation
Desiraju, G R	
Dhavale, D 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, A 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	Cryogenic Temperature, 2-D Materials, Terahertz Spectroscopy, Radiation & Photochemistry, Quantum Dot & Nanomaterials, Ultrafast Spectroscopy in Condense Phase
Ghosh, Pradyut	Molecular Recognition, Chemical Sensing, Interlocked Molecular Systems, Molecular Self-Assdembly Catalysis
Ghosh, P K	Processes Research, Water Purification, Renewable Energy, R&D Management
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, 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, Automotive Exhaust Catalysis
Ila, H	Structural Biology, NMR Spectroscopy and Protein Folding
Iqbal, Javed	Synthetic Organic Chemistry, Heterocyclic Chemistry, Medicinal Chemistry
Jagirdar, B R	Organic Synthesis, 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
Kaliappan, K P	Synthetic & Mechanistic Organic Chemistry
	Organic Synthesis, Medicinal Chemistry, Natural Products

Kant, Rama	Theory of Complex Chemical Systems, Fundamental Electrochemistry, Polymers, 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, G 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
Mandal, Swadin K	Organometallic Chemistry, Catalysis
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, M K	Electronic Structure Theory, Photo/Collisional Dynamics
Mitra, Samaresh	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, Debashis	Theoretical Chemistry and Theoretical Spectroscopy
Mukherjee, Partha S	Supramolecular Chemistry, Organic Materials
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 V	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, Ashwini	Crystal Engineering, Supramolecular Chemistry and Polymorphism Salt-Cocrystals
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, D 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	Medicinal Chemistry, 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
Patil, Satish A	Molecular Electronics, Organic Solar Cells, Singlet Fission
Patra, Amitava	Nanoscience, Spectroscopy Photophysics
Periasamy, M	Organometallics & Chiral Reagents, MP Organic Energy Technologies, Organic Air Purifiers
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, N	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 Pulla	Bioinorganic Chemistry, Supramolecular Chemistry, Ion & Molecular Receptors, Metalloproteins & Metalloenzymes
Rao, C N R	Solid State Chemistry, Surface Science, Spectroscopy and Molecular Structure
Rao, K J	Amorphous Solids & Ceramics and Phase Transitions
Rath, S P	Bioinorganic Chemistry, Multi-heme proteins, Enzymes, Chemical Biology, Medicinal Inorganic Chemistry
Ravikanth, M	Supramolecular Chemistry, Co-ordination Chemistry, Photochemistry
Ray, D S	Nonlinear Dynamics and Nonequilibrium Statistical Mechanics
Reddy, D Srinivasa	Total Synthesis, Medicinal Chemistry, Drug Discovery
Roy, Sujit	Metal-based Ayurvedic Drugs, Organometallic Chemistry, Catalysis for Fine Chemicals, Dual & Biometallic Catalysis, Carbon-Hydrogen Functionalisation
Sahoo, Akhila K	Organic Synthesis, Organometallic/Energetic Materials, Difunctionalisation of Ynamides
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, Sabyasachi	Metalloproteins, Nanocarbons, 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 N	Computational Chemistry, Theoretical Chemistry, Computer-aided Drug Design, Machine Learning & Data Science
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	Synthetic Organic Chemistry, Chemistry of Dithioesters & 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, R B	Computational Chemistry, Physical Organic Chemistry, Asymmetric Catalysis, Machine Learning in Chemistry
Sureshan, K M	Supramolecular Chemistry, Crystal Engineering
Taqi 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	Electrochemistry, Materials Chemistry, Batteries, Fuel Cells & Supercapacitors, 2-dimensional Materials
Yadav, J S	Biologically Active Natural Products, Agrochemicals & Pheromones, Development of New Methodologies for Sustainable Chemistry
Yadav, V K	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: 91*

<b>Name</b>	<b>Specialisation</b>
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, Sourendra K	Isotope Geochemistry and Anomalous Isotope Fractionation
Bhattacharyya, Archana	Ionospheric Physics, Geomagnetism and Space Weather
Bhowmik, S 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, Vineet 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 Tectonics, Crustal Evolution
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	Atmospheric Sciences, Atmospheric Aerosols, Microphysics, Radiative Interactions & Climate Forcing, Equatorial Aeronomy
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, P P	Hydrology, Climate Change Impacts, Uncertainty Quantification
Mukhopadhyay, Dhruvajyoti	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, Radio & Radar Techniques, Atmospheric Ionospheric Probing
Rao, T Narayana	Radar Meteorology, Microphysics & Dynamics of Clouds Precipitation, Monsoon Meteorology
Romshoo, Shakil A	Glaciology, Climate Change, Geoinformatics
Roy, A B	Precambrian Geology and Geology of Indian Shield
Sahni, Ashok	Vertebrate Palaeontology, Palaeobiogeography and Electron Microscope Applications to Biomineralization
Sain, Kalachand	Gas-Hydrates & Sub-volcanic Mesozoics, Geotectonics & Earthquake Process, Artificial Intelligence
Sarin, Manmohan	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 C	Physical Oceanography, Ocean-Atmosphere Interaction and Satellite Oceanography
Shetye, S R	Physical Oceanography
Singh, Pradeep K	Rock Mechanics, Mining Methods, Rock Excavation Technologies, Coal Characterisation & Clean Coal Technologies
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
Sinha, Rajiv	River Science, Quaternary Geology, Remote Sensing Applications
Sreenivasan, Binod	Earth & Planetary Magnetism, Dynamo Theory, Magnetohydrodynamics
Sridharan, Rajagopal	Solar Terrestrial Physics, Space Physics, Optical Astronomy 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 Tectonics
Subbarao, K V	Volcanology, Igneous Petrology and Palaeomagnetism, Natural History

Suresh Babu, S	Atmospheric Science, Aerosol-Radiation Interaction, Radiative Forcing & Climate
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
Venkataraman, Chandra	Aerosol Science & Engineering, Environmental & Climate Science, Atmospheric Science
Vinayachandran, P N	Ocean-River Interactions, Physical Oceanography, Ocean Modelling, Physical-Biological Interactions in Ocean
Yadav, R R	Palaeoclimatology, Tree Ring Analysis, Climate Change, Biodiversity

## ENGINEERING & TECHNOLOGY

*Total Fellows: 148*

<b>Name</b>	<b>Specialisation</b>
Agarwal, Vivek	Power Electronics, Renewable Energy, Conversion, Power Quality
Agrawal, Amit	Fluid Mechanics, Heat Transfer, Development of Novel Bio-Microdevices
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, Dipankar	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	Learning in Robotics, 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
Chakrabarti, Partha P	Embedded Systems, Artificial Intelligence, Computer Aided Design for VLSI and Cognitive Science
Chakrabarti, Soumen	Text Search, NLP, Knowledge Graphs Social Networks
Chakraborty, Suman	Thermal & Fluid Science, Micro & Nanoscale Transport, Interfacial Phenomena & Phase Change
Chakravorty, Dipankar	Materials Science and Nanomaterials
Chandru, Vijay	Computational Mathematics, Computational Biology, Intelligent Health Systems
Chattopadhyay, Kamanio	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, R 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, G K	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

Guha, Debatosh Gupta, Santosh K	Antenna Engineering, Microwaves, Applied Electromagnetics 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, J R	Database Systems
Irani, J J	Iron & Steel Making
Iyengar, R N	Structural Dynamics, Earthquake Engineering, Applied Stochastics and History of Science
Jacob, K J	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 <sub>x</sub> 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, Rangachari	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	Communication Networks, Wireless Networks, Cyber- Physical Systems, Stochastic Modelling
Kumar, Rajinder	Multiphase Phenomena
Kumaran, V	Hydrodynamic Stability, Dynamics of Complex Fluids and Granular Flows
Lele, A K	PEM Fuel Cells, Polymer Dynamics, Rheology & Processing, Rheology of Complex Fluids, Hydrogels and Gelation Processes
Lele, Shrikant	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
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, Aloke	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, Gangan	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, S	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 Ramgopal	Nanoelectronics and Nanotechnology
Ratnasamy, Paul	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 S	Materials & Structural Test Technology, Fatigue & Fracture Testing for Strength & Endurance, and Field Data Acquisition
Varma, Manik	Machine Learning, Artificial Intelligence
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 & Simulation of Marine Biogeochemical Process, Climate Data Analysis, Modelling of Mechanical Systems, fluid Mechanics
Yegnanarayana, B	Signal Processing, Speech & Vision and Artificial Neural Networks

## GENERAL BIOLOGY

*Total Fellows: 149*

<b>Name</b>	<b>Specialisation</b>
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
Basak, Soumen	Cell Signalling, Immunology, Systems Biology

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	Rare Genetic Diseases, Molecular Biology, Molecular Parasitology and Genomics
Bhattacharyya, B	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
Chattarji, Sumantra	Neurobiology, Biophysics, Physiology
Chatterji, Dipankar	Molecular Biology, Biophysical Chemistry and Biomolecular Spectroscopy
Chattopadhyay, Amitabha	Receptor Biology, Membrane Biology, Molecular & Cellular Neurobiology and Fluorescence Spectroscopy & Microscopy
Chattopadhyay, Dhruvajyoti	Enzyme Biotechnology, Transcription, Molecular Virology and Oxidative Stress Response
Chattopadhyay, Samit	Chromatin Remodelling, Epigenetics, Transcription Regulation, Cancer Biology, Immunology, Disease 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, R 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
Khosla, Sanjeev	Epigenetics, Host-Microbe Interaction, Developmental Biology
Kolthur-Seetharam, Ullas	Epigenetics, Gene Expression, Mitochondrial Metabolism & Function, Molecular Physiology & Aging
Krishnamoorthy, G	Biophysical Chemistry, Laser Spectroscopy and Macromolecular Dynamics
Kundu, G C	Tumour Biology, Regulation of Gene Expression, Angiogenesis Cancer Stem Cells, Chemical Biology & Nanotechnology
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
Maddika, S R	Cell Biology, Cell Signalling, Protein Modifications
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, Vinay 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
Pucadyil, Thomas J	Cell Biology, Biophysics
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
Rao, A J	Regulation of Placental Function, Cellular Differentiation, Primate Biology, Oocyte Maturation
Rao, B J	Genome Dynamics, Biology of Cellular Adaptations, Computational Biology
Rao, D N	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, A K	Complement Biology, Molecular Virology, Protein Chemistry
Salunke, D M	Structural Biology, Macromolecular Crystallography and Immunology
Sankaranarayanan, R	Proof Reading, Structural Biology, Translation Quality Control, Enzyme Mechanisms
Sanyal, Kaustuv	Eukaryotic Chromosome Segregation, Epigenetic Regulation, Genetics & Genomics of Fungal Pathogens
Sarin, Apurva	Immunology, Cell Biology, Apoptosis
Sarkar, D P	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, R 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	Reproductive Health, Vaccines against Leprosy, Tuberculosis, Drug-Resistant Cancers
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, J B	Physical Biochemistry and Protein Folding
Varadarajan, Raghavan	Protein Structure & Folding
Varshney, Umesh	Molecular Biology, Protein Biosynthesis and DNA Repair
VijayRaghavan, K	Developmental Biology, Genetics and Neurogenetics
Vijayan, M	X-ray Crystal Structure Analysis, Protein & Crystallography and Molecular Biophysics
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: 102

<b>Name</b>	<b>Specialisation</b>
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 Rajaram	Quantum Probability, Operator Algebras and Operator Theory
Bhatia, R	Analysis of Matrices and Operators in Hilbert Space
Bhatt, S 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, Sujit 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 Ghate, Eknath	Geometric Topology, Algebraic Topology, Combinatorics Automorphic Forms, Number Theory, Galois Representations, Arithmetic Geometry
Ghosh, Anish Ghosh, M K	Ergodic Theory, Lie Groups, Number Theory Stochastic Control, Stochastic Differential Games and Stochastic Finance
Goswami, Debashish	Noncommutative Geometry, Quantum Groups, Operator Algebra
Gun, Sanoli	Modular Forms, Special Values of L-Functions, Algebraic Number Theory
Gupta, Neena Hans-Gill, R J	Commutative Algebra, Affine Algebraic Geometry Number Theory, Discrete Geometry and Geometry of Numbers
Hazra, R S Iyer, Jaya N Joseph, K T	Probability, Operator Algebra, Statistical Physics Algebraic Geometry Hyperbolic Systems of Conservation Laws, Boundary Layers, Parabolic Partial Differential Equations, Nonconservative Zero Pressure, Gas Dynamics, Systems & Delta Waves
Kannan, V Karandikar, R L	Analysis and Topology 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 Kodiyalam, Vijay Krishna, Amalendu Kumar, Amit	Algebra, Valuation Theory, Algebraic Number Theory Operator Algebras, Subfactor Theory, Commutative Algebra Algebraic Cycles, Algebraic K-Theory, Algebraic Geometry Approximation Algorithms, On-line Algorithms, Combinatorial Optimisation
Kunnath, Sandeep	Partial Differential Equations, Nonlinear Analysis, Variational Methods
Mahan, M J	Kaehler Groups, Geometric Group Theory, Geometric Topology, Hyperbolic Geometry
Misra, Gadadhar Mohan Kumar, N Mukerjee, Rahul	Operator Theory and Operator Spaces Commutative Algebra and Algebraic Geometry Design of Experiments, Asymptotic Theory and Survey Sampling
Mukund, Madhavan Munshi, Ritabrata Nadkarni, M G Nagaraj, D S Narasimhan, M S Nataraj, Neela	Concurrent & Distributed Systems, Distributed Algorithms Analytic Number Theory, Automorphic Forms, Elliptic Curves Ergodic Theory and Commutative Harmonic Analysis Algebraic Geometry, Vector Bundles Algebraic & Differential Geometry and Analysis Numerical Analysis, Finite Element Methods, Applied Mathematics
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 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, S 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
Saxena, Nitin	Algebraic Complexity Theory, Computational Algebra, Number Theory, Cryptology
Shah, Nimish A	Ergodic Theory, Lie Groups, Number Theory

Shorey, T N	Theory of Numbers
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, 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: 98

<b>Name</b>	<b>Specialisation</b>
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, Javed 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, Kalyan	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
Chakravorty, Dipshakha S	Microbiology, Infectious Disease, Immunology
Chandak, G R	Genomics & Epigenomics of Complex Diseases, Developmental Programming of Metabolic Syndrome, Molecular Diagnostics of Monogenic & Complex 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
Chowdhary, Anuradha	Medical Microbiology, Medical Mycology, Fungal Infections
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
Garg, Pramod K	Pancreatology, Gastroenterology, Internal Medicine
Ghosh, Amit	Molecular Biology of V.cholerae and Recombinant DNA Technology
Goel, Atul	Bio-organic & Medicinal Science, Biomedical Science, Drug Discovery, Molecular Medicine & Imaging
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, Shahid	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 R	Disease Biology, Tumour Biology, Virology
Pitchappan, R	Human Immunogenetics, Immunology of Infectious Diseases and Human Genomics
Rajshekhhar, V	Neurosurgery, Cysticercosis, Cervical Spine Surgery
Raju, T R	ALS, Glial & Neuronal Plasticity

Ramakrishna, B S	Gastroenterology, Nutrition, Inflammatory Bowel Disease, Gastrointestinal Microbiome Stem Cells
Rangarajan, P N Ravi, V	Eukaryotic Gene Expression and Infectious Diseases 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, Nanotoxicology, 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: 214

<b>Name</b>	<b>Specialisation</b>
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
Ananthakrishna, G	Theoretical Materials Science, Condensed Matter and Dynamical Systems & Chaos
Ananthakrishnan, 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, Mustansir	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
Basu, Jaydeep K	Soft Matter Physics, Biological Physics, Quantum Nanophotonics
Bharadwaj, Somnath	Astrophysics, Cosmology
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, Praveen	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, S	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
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, A S	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, Shankar P	Statistical Physics, Dynamics, Nonequilibrium Systems
Das, S R	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, Sushanta	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
Dutta, Amit	Theoretical Condensed Matter Physics, Nonequilibrium Statistical Mechanics, Quantum Information & Thermodynamics
Ganguli, S N	High Energy Particle Physics
Gavai, R 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 K	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	Particle Physics, Lattice Field Theory
Gupta, Yashwant	Astronomy & Astrophysics, Radio Astronomy Instrumentation and Signal Processing
Gurtu, Atul	Experimental High Energy Physics



Jain, Sanjay	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	High Pressure Physics
Jha, S S	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
Joshipura, A S	Theoretical High Energy Physics
Kailas, S	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, Avinash	Plasma Physics, Statistical Mechanics, Critical Phenomena, Plasma Astrophysics
Khare, A V	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	Quantum Materials, Topologically Ordered Systems, Correlated Electron Systems, Magnetism & Superconductivity, Electron Spectroscopy
Maiti, P K	Molecular Simulation, Soft Matter, DNA Nanotechnology, Confined Fluids
Majumder, Gobinda	Calorimeter, RPC 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	Geoastrometry & Geodynamics, Quantum Theory of Particles & Fields, Statistical Mechanics and Mathematical Methods
Mathur, Deepak	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, Gravitation, Quantum Field Theory, 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
Narasimhan, Shobhana	Condensed Matter Physics, Materials Science, Nanoscience
Narayan, K S	Organic/Polymer Electronics, Device Physics, Bioelectronics, Photovoltaics
Narayana, Chandrabhas	Drug Discovery, Bidiagnostics, Structural Biology, 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, Rajaram	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, A 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
Ramdass, A K	Condensed Matter Physics, Semiconductor Physics, Optical Phenomena and Solid State Spectroscopy
Ranganath, G S	Liquid Crystals and Optics

Rangwala, Sadiqali A	Atomic Physics, Molecular Physics, Quantum Optics
Ranjan, Rajeev	Materials Science, Ferroelectrics, Piezoelectrics
Rao, A Raghurama	X-ray Astronomy, X-ray Instrumentation, High Energy Astrophysics
Rao, A Pramesh	Sun & Solar Wind, Wave Propagation in Random Media, Aperture Synthesis and Radio Imaging
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, Sudipta	Electron Spectroscopy, Surface Science, Materials Studies
Saha-Dasgupta, Tanusri	Condensed Matter Physics, Computational Materials Science, Electronic Structure Calculations
Sahni, Varun B	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, Seema	Experimental High Energy Physics, Particle Detectors & Simulation, Data Analysis & Big Data Mining

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 Sriram	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
Tandon, S N	Cosmic Rays, Infra-Red Astronomy, Ultraviolet Astronomy and Instrumentation for Astronomy & Space Astronomy
Trivedi, S 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, Spenta 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: 57*

<b>Name</b>	<b>Specialisation</b>
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
Banerjee, Anjan K	Plant Developmental Biology, Long Distance Micromolecular Signalling, Plant Molecular Biology
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
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
Ganeshiah, 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, Pushendra K	Cytogenetics, Genetics & Plant Breeding and Crop Biotechnology
Khurana, J 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, Ecophysiology, Weed Science, 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	Plant Biochemistry, Molecular Biology, Biotechnology

Laxmi, Ashverya	Plant Physiology, Plant Molecular Biology, Plant Biotechnology
Meher-Homji, V M Mukherjee, S K	Plant Ecology, Plant Geography and Bio-Climatology Molecular Biology, Extra Chromosomal DNA Replication and Viral Pathogenesis & RNAi
Nath, Utpal	Organ Morphogenesis, Developmental Biology, Plant Biology
Pental, Deepak Podile, Appa Rao	Transgenic Crops and Breeding of Oilseed Mustard Molecular Plant Microbe Interactions, Microbial Biotechnology
Raghavendra, A S	Plant Molecular Physiology/Plant Biochemistry, Plant Metabolomics
Ramakrishnan, P S Rangaswamy, N S	Socio-ecology, Environment and Sustainable Development Reproductive Physiology of Seed Plants, Plant Tissue Culture and Biotechnology
Rao, R R	Plant Taxonomy, Ethnobotany, Phytogeography and Biodiversity & Conservation
Reddy, A R Sabu, M	Genetics, Plant Molecular Genetics and Plant Genomics Taxonomy of Angiosperms, Reproductive Biology, Anatomy Palynology
Sane, P V	Plant Biochemistry, Photosynthesis and Plant Molecular Biology
Sanjappa, M Sankara Rao, K	Plant Taxonomy and Conservation Plant Developmental Biology, Biotechnology, Biodiversity Informatics & Plant Systematics
Sankaran, Mahesh Sethunathan, N	Climate Change, Ecosystem Ecology, Savanna Ecology Environmental Microbiology
Sharma, T R Shetty, H S	Plant Genomics, Plant Disease Resistance Seed Biology, Seed Pathology & Technology, Molecular Plant Pathology, Biotechnological Approaches for Stress Mangement in Plants
Shivanna, K R	Pollen Biology, Reproductive Ecology and Conservation Biology
Siddiqi, Imran Singh, J S	Genetics, Plant Development, Genetic Recombination Plant Ecology, Ecosystems Analysis and Eco-Physiology
Singh, Randhir Sinha, Alok K	Plant Biochemistry and Biotechnology 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 Tripathi, Anil K	Genetics, Cytogenetics and Plant Breeding 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, R 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

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## **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. Pandey, P C (Earth & Planetary Sciences)
12. Rindani, S D (Physics)
13. Sarin, M M (Earth & Planetary Sciences)
14. Singhvi, A K (Earth & Planetary Sciences)
15. Sridharan, Rajagopal (Earth & Planetary Sciences)

### **ALIGARH (UTTAR PRADESH)**

1. Tahseen, Qudsia (Animal Sciences)

### **AMRITSAR (PUNJAB)**

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

### **BAMBOLIN (GOA)**

1. Dileep Kumar, M (Earth & Planetary 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, Dipankar (Engineering & Technology)
22. Bansal, Manju (General Biology)
23. Basu, Bikramjit (Engineering & Technology)
24. Basu, Jaydeep K (Physics)
25. Bhalla, Upinder S (General Biology)
26. Bhat, B V Rajaram (Mathematical Sciences)
27. Bhat, G S (Earth & Planetary Sciences)
28. Bhat, S V (Physics)
29. Bhatnagar, Shalabh (Engineering & Technology)
30. Bhattacharyya, Aninda J (Chemistry)
31. Bhattacharyya, Tirthankar (Mathematical Sciences)
32. Bhosle, Ushadevi N (Mathematical Sciences)
33. Borges, Renee M (Animal Sciences)
34. Chakraborty, Tushar K (Chemistry)
35. Chakravarty, A R (Chemistry)
36. Chakravorty, Dipshakha S (Medicine)
37. Chandra, H Sharat (General Biology)
38. Chandra, Nagasuma (General Biology)
39. Chandrasekaran, S (Chemistry)
40. Chandru, Vijay (Engineering & Technology)
41. Chattarji, Sumantra (General Biology)
42. Chatterji, Dipankar (General Biology)
43. Chattopadhyay, Kamanio (Engineering & Technology)
44. Chockalingam, A (Engineering & Technology)
45. Chokshi, Atul H (Engineering & Technology)
46. Das, Puspendu K (Chemistry)
47. Dasgupta, C (Physics)
48. Datta, Basudeb (Mathematical Sciences)
49. David, Justin R (Physics)
50. Deshpande, S M (Engineering & Technology)
51. Desiraju, G R (Chemistry)
52. Dhar, Abhishek (Physics)
53. Dighe, R R (Animal Sciences)
54. Dutta, Pradip (Engineering & Technology)
55. Easwaran, K R K (General Biology)

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

104. Krupanidhi, S B (Engineering & Technology)
105. Kulkarni, Giridhar U (Chemistry)
106. Kumar, Anurag (Engineering & Technology)
107. Kumar, Arun (Medicine)
108. Kumar, M Udaya (Plant Sciences)
109. Kumar, Rajinder (Engineering & Technology)
110. Kumaran, V (Engineering & Technology)
111. Kunnath, Sandeep (Mathematical Sciences)
112. Madhusudana, N V (Physics)
113. Madras, Giridhar (Engineering & Technology)
114. Madyastha, K M (Chemistry)
115. Mahadevan, S (General Biology)
116. Maiti, P K (Physics)
117. Maitra, Uday (Chemistry)
118. Maji, Tapas K (Chemistry)
119. Mathews, C K (Chemistry)
120. Mayor, Satyajit (General Biology)
121. Misra, Gadadhar (Mathematical Sciences)
122. Mugesh, G (Chemistry)
123. Mujumdar, P P (Earth & Planetary Sciences)
124. Mukherjee, Partha S (Chemistry)
125. Mukunda, H S (Engineering & Technology)
126. Mukunda, N (Physics)
127. Muniyappa, K (General Biology)
128. Munjal, M L (Engineering & Technology)
129. Murthy, M R N (General Biology)
130. Murty, T G K (Engineering & Technology)
131. Nagaraja, V (General Biology)
132. Nanjundiah, V (Animal Sciences)
133. Narahari, Y (Engineering & Technology)
134. Narasimhan, M S (Mathematical Sciences)
135. Narasimhan, R (Engineering & Technology)
136. Narasimhan, Shobhana (Physics)
137. Narayan, K S (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, Rajaram (Physics)
145. Padmanaban, G (General Biology)
146. Pandit, Rahul (Physics)
147. Pasupathy, J (Physics)
148. Pati, Swapan K (Chemistry)
149. Patil, Satish A (Chemistry)
150. Patnaik, L M (Engineering & Technology)
151. Paul, Alope (Engineering & Technology)

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

200. Satheesh, S K (Earth & Planetary Sciences)
201. Sathyamurthy, N (Chemistry)
202. Savithri, H S (General Biology)
203. Sen, Diptiman (Physics)
204. Shaila, M S (General Biology)
205. Shenoy, V B (Physics)
206. Shorey, T N (Mathematical Sciences)
207. Shukla, A K (Chemistry)
208. Sikdar, S K (General Biology)
209. Sinha, K B (Mathematical Sciences)
210. Sinha, K P (Physics)
211. Sitaram, A (Mathematical Sciences)
212. Somasundaram, K (Medicine)
213. Sood, A K (Physics)
214. Sowdhamini, R (General Biology)
215. Sreenivasan, Binod (Earth & Planetary Sciences)
216. Sridharan, A (Engineering & Technology)
217. Srinivasan, G (Physics)
218. Srinivasan, J (Engineering & Technology)
219. Srinivasan, N (General Biology)
220. Srinivasan, Ramaswamiah (Earth & Planetary Sciences)
221. Subba Rao, G S R (Chemistry)
222. Subrahmanya, C R (Physics)
223. Subramaniam, Annapurni (Physics)
224. Sukumar, R (Animal Sciences)
225. Sundar Rajan, B (Engineering & Technology)
226. Sundaresan, A (Chemistry)
227. Sunder, R S (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. Varadarajan, Raghavan (General Biology)
234. Varma, Manik (Engineering & Technology)
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, Spenta 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. Sukh Dev, (Chemistry)

#### **BHOPAL (MADHYA PRADESH)**

1. Bhattacharyya, K (Chemistry)
2. Chaturvedi, Subhash (Physics)
3. Gavai, R V (Physics)
4. Rai Choudhury, Sudhendu (Physics)
5. 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. Khosla, Sanjeev (General Biology)
6. Passi, I B S (Mathematical Sciences)
7. Pathak, K N (Physics)
8. Patnaik, Rajeev (Earth & Planetary Sciences)
9. Sahni, Girish (General Biology)
10. 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. Gun, Sanoli (Mathematical Sciences)
11. Iyer, Jaya N (Mathematical Sciences)
12. Jagannathan, N R (Medicine)
13. Jhunjunwala, Ashok (Engineering & Technology)
14. Kalyanaraman, S (Medicine)
15. Karandikar, R L (Mathematical Sciences)
16. Kaul, R K (Physics)
17. Kesavan, S (Mathematical Sciences)
18. Kodiyalam, Vijay (Mathematical Sciences)
19. Krishnamoorthy, G (General Biology)
20. Mani, H S (Physics)
21. Mathews, P M (Physics)
22. Mohan, V (Medicine)
23. Mukund, Madhavan (Mathematical Sciences)
24. Murthy, M V N (Physics)
25. Padmanabhan, K A (Engineering & Technology)
26. Parthasarathy, T (Mathematical Sciences)
27. Pradeep, T (Chemistry)
28. Prasad, Amritanshu (Mathematical Sciences)
29. Raghavan, K N (Mathematical Sciences)
30. Rajasekaran, G (Physics)
31. Ramachandran, S (Engineering & Technology)
32. Ramadas, T R (Mathematical Sciences)
33. Ramakrishna, B S (Medicine)
34. Ramanan, S (Mathematical Sciences)
35. Ramasami, T (Chemistry)
36. Ravindran, V (Physics)
37. Sane, S S (Mathematical Sciences)
38. Sankaran, P (Mathematical Sciences)
39. Sankararaman, S (Chemistry)
40. Saurabh, Saket (Mathematical Sciences)
41. Simon, R (Physics)
42. Sridharan, Ramaiyengar (Mathematical Sciences)
43. Subramaniam, K (Animal Sciences)
44. Subramanian, S (Chemistry)
45. Subramanian, V (Chemistry)
46. Sujith, R I (Engineering & Technology)



47. Sundaram, S (Chemistry)
48. Sundararajan, G (Engineering & Technology)
49. Sunder, V S (Mathematical Sciences)
50. Swaminathan, M S (Plant Sciences)

#### **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. Sain, Kalachand (Earth & Planetary Sciences)
5. Thakur, V C (Earth & Planetary Sciences)
6. Yadav, Ram Ratan (Earth & Planetary Sciences)

#### **DELHI (UNION TERRITORY)**

1. Acharya, S K (Medicine)
2. Agrawal, Anurag (Medicine)
3. Ahluwalia, J C (Chemistry)
4. Ali, Sher (Animal Sciences)
5. Ashraf, Mohammad Z (General Biology)
6. Babu, C R (Plant Sciences)
7. Bag, A K (Mathematical Sciences)
8. Bal, Chandrasekhar (Medicine)
9. Bapat, R B (Mathematical Sciences)
10. Basak, Soumen (General Biology)
11. Batra, J K (General Biology)
12. Bhandari, Nita (Medicine)
13. Bhargava, Balram (Medicine)
14. Brahmachari, S K (General Biology)
15. Chakraborti, Pradip K (General Biology)
16. Chakraborty, Subhra (Plant Sciences)
17. Chattopadhyay, Debasis (Plant Sciences)
18. Chauhan, V S (General Biology)
19. Chopra, K L (Physics)
20. Choudhury, Debajyoti (Physics)
21. Chowdhary, Anuradha (Medicine)

22. Chowdhury, Shantanu (General Biology)
23. Das, Amita (Physics)
24. Das, Gobardhan (General Biology)
25. Das, Shankar P (Physics)
26. Dasgupta, Indranil (Plant Sciences)
27. Datta, Asis (General Biology)
28. Datta, Kasturi (General Biology)
29. Dhar, S K (General Biology)
30. Dutta Roy, S C (Engineering & Technology)
31. Ganguli, A K (Chemistry)
32. Garg, Naveen (Engineering & Technology)
33. Garg, Pramod K (Medicine)
34. Ghosh, Balaram (General Biology)
35. Gokhale, R S (General Biology)
36. Goswami, Ravinder (Medicine)
37. Grover, Anil (Plant Sciences)
38. Gupta, L C (Physics)
39. Hasnain, S E (General Biology)
40. Indira Nath, (Medicine)
41. Jain, Sanjay (Physics)
42. Jairajpuri, M S (Animal Sciences)
43. Kant, Rama (Chemistry)
44. Kapur, P C (Engineering & Technology)
45. Kapuria, Santosh (Engineering & Technology)
46. Khanna, Navin C (Medicine)
47. Khurana, J P (Plant Sciences)
48. Khurana, Paramjit (Plant Sciences)
49. Kumar, Amit (Mathematical Sciences)
50. Kumar, Lalit (Medicine)
51. Laxmi, Ashverya (Plant Sciences)
52. Madhubala, Rentala (Animal Sciences)
53. Mahajan, K K (Physics)
54. Maiti, Souvik (General Biology)
55. Malhotra, Pawan (Medicine)
56. Mallick, B N (Animal Sciences)
57. Mallik, R K (Engineering & Technology)
58. Mande, Shekhar C (General Biology)
59. Mehta, C L (Physics)
60. Mitra, A N (Physics)
61. Mohanty, Debasisa (General Biology)
62. Mukerji, Mitali (Medicine)
63. Mukherjee, S K (Plant Sciences)
64. Mukhopadhyay, Amitabha (General Biology)
65. Nandicoori, Vinay K (General Biology)
66. Nayak, N C (Medicine)
67. Niazi, I A (Animal Sciences)
68. Pal, Arup K (Mathematical Sciences)
69. Panchapakesan, N (Physics)

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

#### **DEVANAHALLI (KARNATAKA)**

1. Nagarajan, K (Chemistry)

#### **DHANBAD (JHARKHAND)**

1. Singh, Pradeep K (Earth & Planetary Sciences)

#### **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)

### **GURUGRAM (HARYANA)**

1. Chaddah, P (Physics)
2. Gupta, Satish K (Medicine)
3. Prasad, Rajendra (General Biology)
4. Sinha, Pratima (General Biology)
5. 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, Mustansir (Physics)
3. Basavaiah, D (Chemistry)
4. Bhanu Sankara Rao, K (Engineering & Technology)
5. Bhargava, Purnima (General Biology)
6. Chandak, G R (Medicine)
7. Chandrasekar, R (Chemistry)
8. Chandrasekhar, Srivari (Chemistry)
9. Chandrasekhar, V (Chemistry)
10. Chattopadhyay, Amitabha (General Biology)
11. Choudary, B M (Chemistry)
12. Das, Samar K (Chemistry)
13. Durga Prasad, M (Chemistry)
14. Gahalaut, Vineet 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. Krishna, K S (Earth & Planetary Sciences)
23. Krishnamurthy, M (Physics)
24. Krishnaswamy, Kamala (Medicine)

25. Kumara Swamy, K C (Chemistry)
26. Maddika, S R (General Biology)
27. Mahapatra, Susanta (Chemistry)
28. Majumdar, Subeer S (Animal Sciences)
29. Mehta, G (Chemistry)
30. Mishra, Rakesh K (Animal Sciences)
31. Mohan Rao, Ch (General Biology)
32. Mukhopadhyay, Sangita (Medicine)
33. Muralidhar, K (Animal Sciences)
34. Murty, B S (Engineering & Technology)
35. Nagaraj, R (General Biology)
36. Nageswara Rao, G (Medicine)
37. Nangia, Ashwini (Chemistry)
38. Parnaik, Veena K (Animal Sciences)
39. Periasamy, M (Chemistry)
40. Podile, Appa Rao (Plant Sciences)
41. Prakasa Rao, B L S (Mathematical Sciences)
42. Prasada Rao, T S R (Engineering & Technology)
43. Radhakrishnan, T P (Chemistry)
44. Raghavendra, A S (Plant Sciences)
45. Rama Rao, A V (Chemistry)
46. Ramachary, D B (Chemistry)
47. Ramaiah, D (Chemistry)
48. Rao, C R (Mathematical Sciences)
49. Rao, P B (Earth & Planetary Sciences)
50. Rao, P Rama (Engineering & Technology)
51. Reddy, A R (Plant Sciences)
52. Reddy, Manjula (General Biology)
53. Reddy, V U (Engineering & Technology)
54. Sahoo, Akhila K (Chemistry)
55. Samanta, Anunay (Chemistry)
56. Sankaranarayanan, R (General Biology)
57. Sen, K D (Chemistry)
58. Sen, Ranjan (General Biology)
59. Sengupta, Surajit (Physics)
60. Senthilkumaran, B (Animal Sciences)
61. Sharma, Yogendra (General Biology)
62. Shenoi, S S C (Earth & Planetary Sciences)
63. Shenoy, S R (Physics)
64. Shivaji, S (Animal Sciences)
65. Siddavattam, D (General Biology)
66. Siddiqi, Imran (Plant Sciences)
67. Sonti, Ramesh V (Plant Sciences)
68. Subbarao, K V (Earth & Planetary Sciences)
69. Swamy, M J (General Biology)
70. Swarup, Ghanshyam (General Biology)
71. Taqui Khan, M M (Chemistry)
72. Thangaraj, K (General Biology)

73. Tiwari, V M (Earth & Planetary Sciences)
74. Vidyasagar, M (Engineering & Technology)
75. Yegnanarayana, B (Engineering & Technology)

#### **INDORE (MADHYA PRADESH)**

1. Bhawalkar, D D (Physics)
2. Gupta, Pradeep K (Physics)
3. Narlikar, A V (Physics)
4. Pal, A J (Physics)
5. Pal, G P (Medicine)
6. Roy Barman, S (Physics)

#### **JAIPUR (RAJASTHAN)**

1. Katoch, V M (Medicine)
2. Misra, K B (Engineering & Technology)
3. Sharma, R S (Earth & Planetary Sciences)

#### **JAMMU (J&K)**

1. Reddy, D Srinivasa (Chemistry)

#### **JAMSHEDPUR (JHARKHAND)**

1. Irani, J J (Engineering & Technology)

#### **JORHAT (ASSAM)**

1. Sastry, G Narahari (Chemistry)

#### **KALPAKKAM (TAMIL NADU)**

1. Sundar, C S (Physics)

#### **KALYANI (WEST BENGAL)**

1. Das, Saumitra (General Biology)
2. Majumder, Partha P (Animal Sciences)

#### **KANPUR (UTTAR PRADESH)**

1. Agrawal, Manindra (Engineering & Technology)
2. Bera, J K (Chemistry)
3. Bharadwaj, P K (Chemistry)
4. Biswas, Gautam (Engineering & Technology)

5. Budhani, R C (Physics)
6. Chandra, Amalendu (Chemistry)
7. Chowdhury, Debashish (Physics)
8. Dutta, Amit (Physics)
9. Ganesh, S (Medicine)
10. Ghorai, M K (Chemistry)
11. Mittal, Sanjay (Engineering & Technology)
12. Mukherjee, R N (Chemistry)
13. Naqvi, S W A (Earth & Planetary Sciences)
14. Ramachandran, R (Physics)
15. Rath, S P (Chemistry)
16. Saxena, Nitin (Mathematical Sciences)
17. Singh, Vinod K (Chemistry)
18. Sinha, Rajiv (Earth & Planetary Sciences)
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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. Shastry, B S (Physics)
30. Sinha, A P B (Chemistry)
31. Suresh, V (Mathematical Sciences)
32. Thiagarajan, P S (Mathematical Sciences)

**FELLOWS AND HONORARY FELLOWS  
DECEASED IN 2020**

**FELLOWS**

1. Abrol, Yash Pal
2. Bhonsle, Rajaram Vishnu
3. Bose, Dwarka Nath
4. Chopra, Virender Lal
5. Chitre, Shashikumar Madhusudan  
(demised 11 Jan. 2021)
6. Dutta Gupta, Aparna
7. Jain, Hari Krishan
8. Joshi, Shri Krishna
9. Kenkare, Umakant Waman
10. Narasimha, Roddam
11. Ramachandran, Janakiraman
12. Seshadri, Conjeevaram Srirangachari
13. Shastry, Sishta Venkata Seetharama
14. Shrikhande, Sharadchandra Shankar
15. Subba Rao, Bokinakere Ramakrishnaiya
16. Swaminathan, Sambasiva
17. Swarup, Govind
18. Valdiya, Khadg Singh

**HONORARY FELLOWS**

1. Anderson, Philip Warren
2. Askey, Richard Allen
3. Day, Peter
4. Nagakura, Saburo
5. Thomas, Sir John Meurig

## 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. Abrol, Yash Pal	Dec. 23, 1935	1986	July 28, 2020
6. Acharya, C.N.		1936	
7. Adiga, P.R.	May 05, 1935	1982	Sep. 13, 2006
8. Adyalkar, P.G.	Dec. 3, 1927	1974	Nov. 13, 2007
9. Agnihothrudu, V.	May 15, 1930	1967	Apr. 5, 1999
10. Agarwal, S.S.	July 5, 1941	1985	Dec. 2, 2013
11. Ahmad, F.	Jan. 4, 1916	1974	Mar. 23, 1996
12. Ahmed, Nazir	May 1, 1898	1934 <sup>†</sup>	Aug. 12, 1973
13. Aiyar, R. Gopala	Jan. 20, 1887	1934*	Jan. 18, 1971
14. Ali, Salim	Nov. 12, 1896	1975	June 20, 1987
15. Alikunhi, K.H.	May 27, 1918	1969	Sep. 26, 2010
16. Ambasankaran, C.	Aug. 22, 1923	1973	Aug. 20, 1990
17. Anand, B.K.	Sep. 19, 1917	1975	Apr. 2, 2007
18. Anand Kumar, T.C.	June 18, 1936	1981	Jan. 26, 2010
19. Ananthakrishnan, R.	Apr. 11, 1911	1938	July 21, 1998
20. Ananthakrishnan, S.V.	Oct. 4, 1908	1939	Jan. 17, 1989
21. Ananthakrishnan, T.N.	Dec. 15, 1925	1975	Aug. 7, 2015
22. Ananthanarayanan, L.K.	Dec. 17, 1916	1967	1978
23. Anantharamaiah, K.R.	Sep. 2, 1952	1994	Oct. 29, 2001
24. Anantharaman, T R	Nov. 25, 1927	1964	June 19, 2009
25. Anguli, V.C.	Oct. 25, 1919	1962	July 22, 2000
26. Anil Kumar	Apr. 10, 1951	1995	Nov. 2, 2002
27. Anil Kumar	Sep. 18, 1955	2008	Apr. 16, 2018
28. Appajee, Y.	Mar. 25, 1904	1939	Aug. 5, 1984
29. Asana, J.J.	July 30, 1890	1934*	Dec. 16, 1954
30. Asthana, R.P.	Feb. 20, 1906	1945	1965
31. Asundi, M.K.	May 1, 1930	1975	Dec. 1, 2003
32. Asundi, R.K.	Aug. 14, 1895	1935 <sup>†</sup>	Feb. 2, 1982
33. Aswathanarayana, U.	July 1, 1928	1976	Mar. 7, 2016
34. Authikesavalu, M.	Aug. 16, 1906	1948	Sep. 22, 1973
35. Awasthi, D.D.	Aug. 1, 1922	1978	Aug. 21, 2011
36. Awati, P.R.	Dec. 18, 1887	1935 <sup>†</sup>	Feb. 16, 1966
37. Ayer, A. Ananthanarayana		1951	Dec. 9, 1971
38. Ayyangar, G.N. Rangaswami	May 19, 1887	1934 <sup>†</sup>	Nov. 17, 1968

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

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



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

	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
85. Bhide, V.G.	Aug. 8, 1925	1974	June 25, 2006
86. Bhimachar, B.S.	July 7, 1906	1951	Jan. 11, 1979
87. Bhonsle, Rajaram Vishnu	Nov. 12, 1928	1982	June 14, 2020
88. Biswas, A.B.	Jan. 12, 1917	1974	Oct. 23, 1979
89. Biswas, B.B.	Mar. 1, 1928	1977	June 9, 2018
90. Biswas, S.N.	May 1, 1926	1974	Jan. 3, 2005
91. Biswas, Sukumar	Jul. 1, 1924	1976	Nov. 16, 2009
92. Bor, N.L.	May 2, 1893	1942	Dec. 22, 1972
93. Bose, D.N.	June 15, 1938	1989	Aug. 9, 2020
94. Bose, M.K.	Sep. 1, 1933	1981	Oct. 1, 2009
95. Bose, M.N.	Mar. 23, 1925	1982	Apr. 27, 2011
96. Brahm, Prakash	Aug. 21, 1912	1972	Jan. 3, 1984
97. Brahmayya Sastry, P.	May 24, 1913	1978	May 28, 1993
98. Burley, G.W.		1935	
99. Burma, D.P.	Feb. 1, 1925	1976	Feb. 4, 2005
100. Chakko, K.C.		1934 <sup>†</sup>	
101. Chakravarthy, S.N.	1903	1934*	Aug. 28, 1945
102. Chakravarti, S.P.	Nov. 3, 1904	1943	July 15, 1981
103. Chakravarty, Charusita	May 5, 1964	2006	Mar. 29, 2016
104. Chandraratna, M.F.		1951	1959
105. Chandrasekaran, C.	Oct. 30, 1911	1945	Jan. 4, 2000
106. Chandrasekhar, Sivaramakrishna	Aug. 6, 1930	1962	Mar. 8, 2004
107. Chandrasekhar, S.	Oct. 19, 1910	1934*	Aug. 21, 1995
108. Chandrasekharan, K.	Nov. 21, 1920	1959	Apr. 13, 2017
109. Chandrasekharan, V.	Nov. 12, 1925	1973	Sep. 5, 2003
110. Chandrashekar, M.K.	Jan. 4, 1937	1983	July 2, 2009
111. Chandry, Jacob	Jan. 23, 1910	1961	June 23, 2007
112. Chariar, V.R.	May 1903	1949	July 31, 1996
113. Chatterjee, Asima	Sep. 23, 1917	1975	Nov. 22, 2006
114. Chattoo, B.B.	May 25, 1949	2010	Nov. 15, 2016
115. Chaudhuri, H.	July 28, 1895	1934 <sup>†</sup>	Aug. 19, 1945
116. Chauhan, B.S.	May 2, 1915	1952	Feb. 4, 2007
117. Cheema, G.S.		1934*	Jan. 2, 1972
118. Cherian, M.C.		1937	
119. Chhuttani, P.N.	Feb. 26, 1915	1973	July 19, 1996
120. Chitre, S.M.	May 7, 1936	1986	Jan. 11, 2021
121. Chopra, I.C.	Jan. 8, 1911	1962	Oct. 18, 1996
122. Chopra, N.N.		1945	
123. Chopra, V.L.	Aug. 9, 1936	1982	Apr. 18, 2020
124. Chowdhury, Mihir	July 15, 1937	1977	Mar. 28, 2017
125. Chowla, Sarvadaman	Aug. 22, 1907	1934*	Dec. 10, 1995
126. Cipriani, L.	1892	1935 <sup>†</sup>	Oct. 1962
127. Correia, A.C.G.	Aug. 22, 1888	1935 <sup>†</sup>	
128. Damodaran, M.	Oct. 18, 1903	1934 <sup>†</sup> , 1942	Dec. 1957
129. Daniel, R.R.	Aug. 11, 1923	1966	Mar. 27, 2005

	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
130. Daruwalla, E.H.	Oct. 24, 1923	1974	Mar. 17, 2012
131. Das, J.	Sep. 13, 1939	1988	July 26, 1998
132. Das, M.R.	July 2, 1937	1985	Apr. 1, 2003
133. Das, Prosad K.	May 20, 1926	1975	Jan. 14, 2011
134. Das Gupta, M.K.	Sep. 1, 1923	1990	Nov. 28, 2005
135. Das-Gupta, S.N.	Nov. 4, 1902	1935 <sup>†</sup>	Sep. 11, 1990
136. Dastur, J.F.	Sep. 10, 1886	1934 <sup>†</sup>	May 11, 1971
137. Datta, Asoke Gopal	Jan. 20, 1928	1979	Dec. 9, 2005
138. Datta, Bhaskar	July 1, 1949	1995	Dec. 3, 1999
139. David, Joy C.	May 3, 1927	1982	Apr. 20, 2004
140. Davis, T.A.	Feb. 9, 1923	1979	Nov. 10, 1989
141. de Mello, I.F.	May 17, 1887	1934*	Jan. 9, 1955
142. Deepak Kumar	Apr. 3, 1946	1987	Jan. 25, 2016
143. Deodikar, G.B.	Nov. 15, 1915	1974	Mar. 13, 1986
144. Desai, B.N.	July 3, 1901	1934 <sup>†</sup>	June 23, 1978
145. Desai, R.D.	May 4, 1897	1939	Nov. 16, 1991
146. Desai, S.V.	Jan 28, 1900	1935 <sup>†</sup>	1984
147. Deshpande, D.L.	Sep. 2, 1909	1945	Apr. 5, 1961
148. Desikachary, T.V.	Sep. 18, 1919	1957	Nov. 4, 2005
149. Devadatta, S.C.		1936	
150. Devaprabhakara, D.	Nov. 13, 1932	1976	Jan. 12, 1978
151. Dhar, M.L.	Oct. 29, 1914	1975	Jan. 20, 2002
152. Dhar, S.C.		1935 <sup>†</sup>	Oct. 30, 1947
153. Dharmatti, S.S.	May 8, 1911	1960	May 2, 1965
154. Dhawan, S.	Sep. 25, 1920	1970	Jan. 3, 2002
155. Divatia, A.S.	Feb. 17, 1927	1975	Jan. 7, 1993
156. Dixit, K.R.	Oct. 6, 1909	1939	Dec. 1977
157. Doraiswamy, L.K.	May 13, 1927	1974	June 2, 2012
158. Dorasami, L.S.		1947	
159. Doss, K.S.G.	Aug. 10, 1906	1935 <sup>†</sup>	Oct. 18, 1989
160. Dube, G.P.	May 1, 1914	1950	Jan. 17, 1973
161. Dutt, N.L.	1900	1935 <sup>†</sup>	Feb. 6, 1960
162. Dutt, S.	Dec. 13, 1898	1939	Dec. 17, 1992
163. Dutta, P.C.	Mar. 11, 1912	1975	June 13, 1983
164. Dutta Gupta, Aparna	May 11, 1953	2010	June 29, 2020
165. Ekambaram, T.		1934*	
166. Forbes, S.G.		1937	
167. Foster, R.B.		1934 <sup>†</sup>	Oct. 15, 2004
168. Ganapathi, K.	Aug. 18, 1911	1951	
169. Ganapati, P.N.	July 15, 1910	1955	Jan. 5, 1984
170. Ganatra, R.D.	Oct. 14, 1928	1975	Apr. 2, 1999
171. Ganesan, A.S.	May 27, 1900	1934*	Jan. 2, 1986
172. Ganguly, A.K.	Nov. 1, 1918	1977	Jan. 17, 1988
173. Ganguly, P.	Jan. 20, 1942	1994	May 7, 2014
174. George, M.V.	Oct. 3, 1928	1973	Dec. 9, 2019
175. Ghatage, V.M.	Oct. 24, 1908	1945	Dec. 6, 1991

	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
176. Ghatak, U.R.	Feb. 26, 1931	1976	June 18, 2005
177. Ghose, R.L.M.	July 1903	1952	1995
178. Ghose, S.L.	Dec. 13, 1893	1936	Mar. 24, 1945
179. Ghosh, A.	Jan. 20, 1927	1982	Sep. 29, 2003
180. Ghosh, J.K.	May 22, 1937	1990	Sep. 30, 2017
181. Ghosh, P.N.	Feb. 11, 1884	1934*	Dec. 23, 1946
182. Ghosh, Subir Kumar	Mar. 1, 1932	1989	Oct. 30, 2008
183. Giri, K.V.	Feb. 10, 1907	1941	July 17, 1958
184. Gnanamuthu, C.P.	Apr. 29, 1901	1952	Mar. 18, 1969
185. Goel, Parmatma S.	July 6, 1930	1977	Aug. 9, 2004
186. Gogate, D.V.	Jan. 23, 1903	1942	Jan. 11, 1984
187. Gopal-Ayengar, A.R.	Jan. 1, 1909	1952, 1965	Sep. 8, 1992
188. Gopala Rao, R.V.	Dec. 3, 1927	1977	Sep. 3, 2010
189. Gopalakrishna, A.	Oct. 20, 1922	1974	Sep. 20, 2008
190. Gopalan, C.	Nov. 29, 1918	1964	Oct. 3, 2019
191. Govinda Rao, N.S.	Feb. 6, 1907	1952	Dec. 22, 1995
192. Govindachari, T.R.	July 30, 1915	1951	Dec. 28, 2001
193. Govindaswamy, M.V.	Nov. 21, 1904	1947	Apr. 7, 1961
194. Gowariker, V.R.	Mar. 25, 1933	1985	Jan. 2, 2015
195. Grewal, Ripdaman Singh	Dec. 3, 1922	1975	Apr. 13, 2009
196. Guha, P.C.	Feb. 15, 1894	1936	Nov. 6, 1962
197. Guha-Mukherjee, S.	July 13, 1938	1988	Sep. 15, 2007
198. Gunjekar, K.R.	Mar. 8, 1894	1935 <sup>†</sup>	Feb. 11, 1990
199. Guptasarma, D.	July 16, 1932	1987	July 7, 2018
200. Hamied, K.A.	Oct. 31, 1898	1945	June 23, 1972
201. Hariharan, P.	Dec. 26, 1926	1972	July 26, 2015
202. Harish-Chandra	Oct. 11, 1923	1975	Oct. 16, 1983
203. Hasan, K.H.		1934 <sup>†</sup>	
204. Hattiangdi, G.S.	Dec. 15, 1921	1963	May 16, 2003
205. Hill, A.R. Berkeley	Dec. 22, 1879	1934*	Aug. 16, 1944
206. Howard, H.C.	Oct. 5, 1883	1934 <sup>†</sup>	
207. Huzurbazar, V.S.	Sep. 15, 1919	1961	Nov. 15, 1991
208. Ishaq, M.	Apr. 1, 1901	1941	Mar. 22, 1960
209. Iyengar, B.N.		1935 <sup>†</sup>	
210. Iyengar, K.R.K.		1934 <sup>†</sup>	July 20, 1947
211. Iyengar, K.S. Kuppuswamy	Aug. 29, 1899	1934 <sup>†</sup>	June 23, 1944
212. Iyengar, M.O. Parthasarathy	Dec. 15, 1886	1934*	Dec. 10, 1963
213. Iyengar, N.K.	July 29, 1910	1955	Nov. 29, 1970
214. Iyengar, P.K.	June 29, 1931	1969	Dec. 21, 2011
215. Iyer, K.S. Padmanabha		1934 <sup>†</sup>	
216. Iyer, L.K. Ananthakrishna	1861	1934*	Feb. 26, 1937
217. Iyer, M.P. Venkatarama	1902	1935 <sup>†</sup>	Apr. 27, 1936
218. Jacob, T.M.	June 6, 1927	1976	June 6, 2014
219. Jadhav, G.V.	Apr. 12, 1900	1953	Mar. 10, 1980
220. Jagannathan, V.	June 15, 1921	1974	Dec. 2, 2015
221. Jain, H.K.	May 28, 1930	1975	Apr. 8, 2019

	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
222. Jain, D.V.S.	June 16, 1933	1979	Oct. 6, 2019
223. Janaki Ammal, E.K.	Nov. 4, 1897	1935 <sup>†</sup> ,1953	Feb. 7, 1984
224. Jayaraman, N.	Feb. 12, 1911	1955	Mar. 13, 1971
225. Jayaraman, R.	Oct. 10, 1937	1989	Apr. 14, 2019
226. Jhala, H.I.	Jan. 13, 1919	1968	Aug. 29, 1984
227. John, C.C.		1934 <sup>†</sup>	
228. Jones, S.	Aug. 27, 1910	1957	Feb. 26, 1999
229. Joshi, A.B.	Nov. 17, 1916	1975	July 3, 2010
230. Joshi, A.C.	Sep. 18, 1908	1936	Feb. 14, 1971
231. Joshi, B.S.	Dec. 28, 1924	1975	Nov. 2, 2017
232. Joshi, S.K.	June 6, 1935	1974	May 15, 2020
233. Joshi, S.S.	Oct. 16, 1898	1934*	July 25, 1984
234. Jussawalla, D.J.	Apr. 13, 1915	1975	Jan. 29, 1999
235. Kadam, B.S.	Oct. 25, 1903	1945	July 24, 1985
236. Kalam, A.P.J. Abdul	Oct. 15, 1931	1984	July 27, 2015
237. Kalamkar, R.J.	Aug. 28, 1903	1936	May 24, 1974
238. Kalbag, S.S.	Oct. 23, 1928	1974	July 30, 2003
239. Kalyanasundaram, R.	Feb. 20, 1930	1969	Apr. 11, 1980
240. Kamesam, S.		1934*,1938	1953
241. Kane, G.P.	Mar. 2, 1911	1943	June 25, 1991
242. Kanga, D.D.	Nov. 25, 1879	1934 <sup>†</sup>	Jan. 1955
243. Kanungo, M.S.	Apr. 1, 1927	1975	July 26, 2011
244. Kapahi, V.K.	Jan. 21, 1944	1987	Mar. 16, 1999
245. Kapoor, Lachman Das	Sep. 27, 1916	1963	Apr. 16, 2002
246. Kappanna, A.N.	Aug. 3, 1900	1934 <sup>†</sup>	
247. Kapur, J.N.	Sep. 7, 1923	1965	Sep. 4, 2002
248. Kapur, R.L.	July 7, 1938	1977	Nov. 24, 2006
249. Kapur, S.N.	Aug. 20, 1895	1934 <sup>†</sup>	Jan. 10, 1972
250. Karandikar, K.R.	Mar. 17, 1902	1948	
251. Kartha, G.	Jan. 26, 1927	1974	June 18, 1984
252. Karve, D.D.	July 13, 1899	1943	July 5, 1980
253. Kashyap, S.R.	Nov. 6, 1882	1934	Nov. 26, 1934
254. Kaw, P.K.	Jan. 15, 1948	1974	June 18, 2017
255. Kedharnath, S.	Oct. 10, 1921	1984	Dec. 6, 2004
256. Kelkar, P.K.	June 1, 1909	1974	Oct. 23, 1990
257. Kempanna, C.	May 16, 1928	1978	Dec. 11, 2016
258. Kenkare, U.W.	Mar. 3, 1927	1986	Oct. 12, 2019
259. Khanna, K.L.		1936	Aug. 1, 1976
260. Khanolkar, V.R.	Apr. 13, 1895	1934*	Oct. 29, 1978
261. Khoshoo, T.N.	Apr. 7, 1927	1961	June 11, 2002
262. Kilpady, Sripadrao	Nov. 13, 1906	1953	Dec. 19, 2008
263. King, C.A.		1934 <sup>†</sup>	May 19, 1936
264. Kini, M.G.	Aug. 5, 1893	1941	Aug. 22, 1952
265. Kishore, K.	Dec. 31, 1942	1991	Mar. 2, 1999
266. Kondal Rao, N.	July 15, 1924	1975	Oct. 22, 2008
267. Kosambi, D.D.	July 31, 1907	1935 <sup>†</sup>	June 29, 1966

	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
268. Koteswaram, P.	Mar. 25, 1915	1974	Jan. 11, 1997
269. Kothari, D.S.	July 6, 1906	1975	Feb. 4, 1993
270. Krishna, M.G.	July 18, 1922	1974	June 5, 1978
271. Krishna, Sri	July 6, 1896	1934 <sup>†</sup>	Oct. 3, 1984
272. Krishna Rao, G.S.	Oct. 26, 1926	1987	Dec. 16, 2008
273. Krishna Rao, P.R.	July 25, 1906	1940	Nov. 7, 1985
274. Krishnamachari, S.L.N.G.	Sep. 20, 1928	1975	Feb. 6, 2012
275. Krishnamurthy, E.V.	June 18, 1934	1972	Oct. 26, 2012
276. Krishnamurti, D.	Mar. 30, 1929	1958	May 14, 2003
277. Krishnamurti, K.	Nov. 2, 1902	1934 <sup>†</sup>	Dec. 8, 1988
278. Krishnamurti, P.	Jan. 22, 1903	1934*	Mar. 14, 1966
279. Krishnamurthy, L.S.		1937	
280. Krishna Murti, C.R.	Mar. 3, 1923	1974	June 30, 1990
281. Krishna Murty, K.	Nov. 13, 1926	1981	May 10, 2001
282. Krishnan, K.S.	Dec. 4, 1898	1934*	June 14, 1961
283. Krishnan, K.V.	July 4, 1896	1934 <sup>†</sup>	Mar. 30, 1978
284. Krishnan, M.S.	Aug. 24, 1898	1934*	Apr. 24, 1970
285. Krishnan, R.S.	Sep. 23, 1911	1944	Oct. 2, 1999
286. Krishnaswami, K.R.	Aug. 14, 1898	1934*	June 28, 1964
287. Krishnaswami, S.	May 21, 1945	1986	July 20, 2015
288. Krishnaswamy, S.	Feb. 15, 1926	1961	Nov. 20, 1988
289. Kulkarni, B.D.	May 5, 1949	1988	Jan. 14, 2019
290. Kumar, L.S.S.	June 4, 1903	1940	Nov. 20, 1985
291. Kumar, N.	Feb. 1, 1940	1983	Aug. 28, 2017
292. Kumaraswamy, P.	Oct. 4, 1930	1972	Mar. 9, 1988
293. Kundu, Anjan	Jan. 24, 1953	2015	Dec. 31, 2016
294. Kundu, D.N.	Jan. 4, 1916	1975	Dec. 11, 1999
295. Kuriyan, K.I.	Oct. 4, 1903	1943	Aug. 16, 1972
296. Kutumbiah, P.	Nov. 22, 1892	1941	1976
297. Laddha, G.S.	Aug. 26, 1922	1974	Sep. 30, 2010
298. Lakhanpal, R.N.	Aug. 5, 1923	1976	Jan. 19, 2012
299. Lal, B.B.	Aug. 4, 1913	1948	June 2, 2000
300. Lal, Devendra	Feb. 14, 1929	1965	Dec. 1, 2012
301. Lal, M.B.	Jan. 31, 1907	1942	Dec. 5, 2002
302. Lal, R.K.	Oct. 14, 1936	1986	Oct. 19, 2014
303. Lal, Shankar	June 25, 1923	1974	Sep. 25, 1991
304. Lala, Anil Kumar	Jan. 13, 1950	1993	July 18, 2004
305. Lele, S.H.		1936	
306. Likhite, V.N.	1896	1936	Apr. 1, 1990
307. Luthar, I.S.	Mar. 31, 1932	1977	Dec. 7, 2006
308. Madhava, K.B.	Mar. 13, 1895	1934 <sup>†</sup>	Apr. 26, 1984
309. Madhavarao, B.S.	May 29, 1900	1936	June 10, 1987
310. Mahabale, T.S.	Oct. 19, 1909	1951	July 3, 1983
311. Mahadevan, C.	May 6, 1901	1934*	Apr. 8, 1962
312. Mahadevan, P.R.	May 20, 1928	1973	Apr. 27, 2003
313. Mahajani, G.S.	Nov. 27, 1898	1935 <sup>†</sup>	July 26, 1984

	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
314. Mahalanobis, P.C.	June 29, 1893	1935 <sup>†</sup>	June 28, 1972
315. Mahendra, B.C.	1903	1938	1995
316. Maheshwari, P.	Nov. 9, 1904	1934 <sup>†</sup>	May 18, 1966
317. Maheshwari, S.C.	Oct. 4, 1933	1975	June 12, 2019
318. Maitra, P.K.	Nov. 1, 1932	1975	Sep. 4, 2007
319. Maiya, B.G.	June 20, 1956	2001	Mar. 22, 2004
320. Majumdar, C.K.	Aug. 11, 1938	1976	June 20, 2000
321. Majumdar, G.P.	Feb. 18, 1894	1944	Nov. 21, 1959
322. Malhotra, D.R.	Oct. 4, 1899	1952	Nov. 1, 1983
323. Malhotra, P.K.	Apr. 20, 1935	1985	Mar. 7, 1992
324. Malhotra, S.L.	Dec. 5, 1919	1966	Sep. 10, 2004
325. Malurkar, S.L.	Aug. 15, 1903	1934 <sup>†</sup>	Apr. 26, 1984
326. Mani, Anna	Aug. 23, 1918	1960	Aug. 16, 2001
327. Mani, K.S.	Oct. 18, 1928	1974	Mar. 28, 2001
328. Manna, G.K.	Oct. 10, 1926	1978	Dec. 25, 2006
329. Manoharan, P.T.	June 12, 1935	1981	Mar. 6, 2019
330. Mata Prasad	Feb. 15, 1898	1934 <sup>†</sup>	Jan. 28, 1979
331. Mathai, G.	Nov. 13, 1887	1934 <sup>†</sup>	June 25, 1947
332. Mathur, H.B.	May 27, 1928	1975	Jan. 12, 1980
333. Mathur, K.K.	July 30, 1893	1934 <sup>†</sup>	July 18, 1936
334. Mehrotra, R.C.	Feb. 16, 1922	1974	July 11, 2004
335. Mehta, K.C.	June 20, 1892	1935 <sup>†</sup>	Apr. 8, 1950
336. Mehta, M.K.	July 24, 1927	1975	June 28, 2010
337. Mehta, S.M.	May 4, 1902	1952	Mar. 29, 1970
338. Mehta, V.B.	Aug. 15, 1946	1993	June 4, 2014
339. Menon, K.K.G.	Sep. 19, 1927	1975	Apr. 6, 2002
340. Menon, K.N.		1940	1969
341. Menon, M.G.K.	Aug. 28, 1928	1964	Nov. 22, 2016
342. Menon, P.K.	Sep. 4, 1917	1975	Oct. 22, 1979
343. Menon, T. Bhaskara		1941	
344. Menon, T. Radhakrishnan	Apr. 14, 1925	1963	May 29, 2001
345. Menon, V.K. Narayana		1941	
346. Merchant, J.R.	June 14, 1922	1964	Feb. 8, 2004
347. Metcalfe, E.P.	1881	1934*	1950
348. Mirza, N.B.		1935 <sup>†</sup>	
349. Mishra, R.S.	Aug. 10, 1918	1966	Aug. 23, 1999
350. Mitra, Ashesh Prasad	Feb. 21, 1927	1974	Sep. 3, 2007
351. Mitra, Sujit Kumar	Jan. 23, 1932	1990	Mar. 18, 2004
352. Moghe, M.A.	Apr. 21, 1896	1934 <sup>†</sup>	May 12, 1966
353. Mohan Ram, H.Y.	Sep. 24, 1930	1974	June 18, 2018
354. Mookherjee, A.	May 23, 1931	1990	Feb. 16, 2006
355. Moudgal, N.R.	Mar. 4, 1931	1975	May 8, 2011
356. Moudgill, K.L.		1934 <sup>†</sup>	
357. Mukherjee, A.S.	Oct. 1, 1935	1988	Nov. 15, 2004
358. Murthy, G.V.L.N.	Mar. 10, 1912	1944	1943
359. Murti, P.B.R.	Nov. 11, 1911	1945	Dec. 1990

	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
360. Murty, B.R.	Apr. 4, 1928	1975	May 16, 2003
361. Murty, Y.S.	May 15, 1925	1979	Feb. 21, 1988
362. Muthuswami, T.N.	June 20, 1898	1943	Dec. 10, 1980
363. Nabar, G.M.	July 2, 1904	1949	July 20, 1986
364. Nag, Biswajit	Aug. 20, 1933	1974	Feb. 6, 2000
365. Nag, Biswaranjan	Oct. 1, 1932	1984	Apr. 6, 2004
366. Nag, Subhashis	Aug. 14, 1955	1995	Dec. 22, 1998
367. Nag, B.D. Chaudhuri	Sep. 6, 1917	1974	June 25, 2006
368. Nagappa, Y.	Oct. 2, 1907	1951	Oct. 30, 1960
369. Nagaraju, J.	Nov. 6, 1954	2003	Dec. 31, 2012
370. Nagendra Nath, N.S.	May 10, 1912	1935 <sup>†</sup>	Sep. 2, 1979
371. Naha, K.	Jan. 2, 1932	1983	May 24, 1996
372. Nair, Kappiareth Gopal	July 2, 1931	1981	Mar. 12, 2010
373. Nair, Narayana Balakrishnan	July 6, 1927	1977	Apr. 21, 2010
374. Nair, U. Sivaraman	Jan. 22, 1904	1944	Aug. 8, 1982
375. Nakra, B.C.	Mar. 31, 1939	1995	Apr. 12, 2016
376. Nanda, K.K.	Jan. 1, 1918	1975	Dec. 13, 1983
377. Narasimha, R.	July 20, 1933	1973	Dec. 14, 2020
378. Narasimham, N.A.	Aug. 15, 1922	1966	Apr. 8, 2002
379. Narasimhan, M.J.	July 1, 1891	1935 <sup>†</sup>	Sep. 24, 1970
380. Narasimhan, N.S.	Nov. 11, 1928	1983	Aug. 20, 2018
381. Narasimhan, P.T.	July 28, 1928	1971	May 3, 2013
382. Narasimhan, Rangaswamy	Apr. 17, 1926	1966	Sep. 2, 2007
383. Narayan, A.L.	1887	1934*	Mar. 7, 1973
384. Narayana, N.	June 27, 1902	1935 <sup>†</sup>	Mar. 16, 1976
385. Narayanamurti, D.	Sep. 11, 1904	1939	Mar. 9, 1975
386. Narayanan, C.R.	Dec. 17, 1916	1977	Jan. 15, 1993
387. Narayanan, E.S.	Feb. 15, 1904	1953	Feb. 23, 1991
388. Narayanan, P.S.	Jan. 1, 1926	1974	Oct. 23, 1994
389. Narayanaswamy, S.	Sep. 2, 1916	1974	May 13, 1997
390. Narendran, T.C.	Feb. 24, 1944	2000	Dec. 31, 2013
391. Narlikar, V.V.	Sep. 26, 1908	1935 <sup>†</sup>	Apr. 1, 1991
392. Nasipuri, Dhanonjoy	Apr. 1, 1925	1976	Dec. 28, 2009
393. Natarajan, C.V.	Apr. 26, 1899	1934*	Nov. 11, 1964
394. Natarajan, P.	Sep. 17, 1940	1987	Mar. 18, 2016
395. Natarajan, R.	July 9, 1930	1981	Dec. 2, 2003
396. Nayar, B.K.	Sep. 19, 1927	1975	May 12, 2012
397. Nayar, K.K.	June 12, 1920	1975	June 26, 1975
398. Nayudamma, Y.	Sep. 10, 1922	1963	June 23, 1985
399. Neelakantam, K.	Dec. 18, 1911	1940	Aug. 28, 1985
400. Newcomb, C.	1882	1935 <sup>†</sup>	
401. Nigam, Swami Dayal	May 7, 1924	1975	May 3, 2009
402. Nilakantan, P.	Apr. 19, 1910	1953	Apr. 18, 1964
403. Notani, N.K.	Jan. 21, 1930	1974	Apr. 18, 1994
404. Owen, M.		1934*	
405. Padayatty, J.D.	July 10, 1928	1986	Aug. 26, 2014



	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
406. Padmanabhan, S.Y.	Sep. 11, 1916	1970	Jan. 29, 1985
407. Paintal, A.S.	Sep. 24, 1925	1986	Dec. 21, 2004
408. Pal, B.P.	May 26, 1906	1941,1975	Sep. 14, 1989
409. Pal, Manoj K.	Oct. 26, 1932	1974	Mar. 3, 2016
410. Pal, Yash	Nov. 26, 1926	1967	July 24, 2017
411. Palacios, G.	Nov. 20, 1894	1934 <sup>†</sup>	Apr. 3, 1967
412. Palit, S.R.	Mar. 24, 1912	1974	Sep. 13, 1981
413. Pancharatnam, S.	Feb. 9, 1934	1959	May 28, 1969
414. Pandalai, K.A.V.	Feb. 16, 1928	1974	May 20, 1999
415. Pandit, L.K.	June 28, 1932	1976	May 23, 2006
416. Pandit, S.R.	1893	1934 <sup>†</sup>	Dec. 23, 1977
417. Pandita, P.N.	Jan. 1, 1949	2005	June 12, 2019
418. Pandya, K.C.	Aug. 24, 1886	1934 <sup>†</sup>	Oct. 14, 1958
419. Pandya, S.P.	Sep. 11, 1928	1974	June 30, 2019
420. Panikkar, N.K.	May 17, 1913	1945	June 24, 1977
421. Panse, V.G.	Jan. 11, 1906	1947	July 22, 1969
422. Pant, Devi Datt	Aug. 14, 1919	1970	June 11, 2008
423. Pant, Divya Darshan	Oct. 18, 1919	1968	May 9, 2001
424. Paramasivan, S.	1903	1939	May 15, 1987
425. Parameswaran, H.	Feb. 15, 1897	1934*	Mar. 25, 1953
426. Paranjpe, G.R.	Jan. 30, 1891	1934 <sup>†</sup>	Mar. 7, 1981
427. Parija, P.	Apr. 1, 1891	1935 <sup>†</sup>	June 2, 1978
428. Patel, A.R.	May 12, 1917	1975	Dec. 3, 2000
429. Patel, C.C.	Mar. 17, 1920	1975	Dec. 15, 1987
430. Patel, J.C.	Aug. 2, 1908	1956	May 11, 2003
431. Patel, J.S.	Dec. 11, 1905	1934 <sup>†</sup>	Apr. 20, 1992
432. Patel, M.K.	Nov. 6, 1899	1948	
433. Patodi, V.K.	Mar. 12, 1945	1975	Dec. 21, 1976
434. Paul, R.C.	Oct. 20, 1919	1974	Feb. 16, 2002
435. Peacock, D.H.	Dec. 1889	1934 <sup>†</sup>	
436. Peters, B.	Dec. 22, 1910	1954	Feb. 2, 1993
437. Pichamuthu, C.S.	Mar. 10, 1900	1941	Aug. 18, 1990
438. Pisharoty, P.R.	Feb. 10, 1909	1957	Sep. 24, 2002
439. Porsezian, K.	June 5, 1963	2012	Aug. 11, 2018
440. Pradhan, S.K.	Sep. 6, 1929	1986	May 23, 2002
441. Prasad, M.R.N.	May 1, 1923	1975	Oct. 7, 1987
442. Prasad, R. Raghu	Dec. 17, 1920	1958	July 20, 1994
443. Puntambekar, S.V.	July 17, 1898	1948	May 6, 1969
444. Puri, G.S.	Aug. 18, 1915	1960	Apr. 18, 1995
445. Puri, V.	Dec. 10, 1909	1945	Oct. 9, 2002
446. Qasim, S.Z.	Dec. 31, 1926	1976	Oct. 20, 2015
447. Racine, C.J.	July 22, 1897	1975	July 8, 1976
448. Radhakrishna, B.P.	Apr. 30, 1918	1956	Jan. 26, 2012
449. Radhakrishnan, A.N.	May 17, 1927	1974	June 17, 1990
450. Radhakrishnan, V.	May 18, 1929	1968	Mar. 3, 2011
451. Raghavan, S.	Apr. 11, 1934	1975	Oct. 7, 2014

	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
452. Raghavan, T.S.	Sep. 29, 1905	1939	Jan. 30, 1986
453. Raj, Mahindra	Feb. 15, 1925	1974	Feb. 16, 1995
454. Raja Gopal, E.S.	May 12, 1936	1974	Nov. 15, 2018
455. Rajagopal, C.T.	Sep. 8, 1903	1975	Apr. 25, 1978
456. Rajasekarasetty, M.R.	Oct. 16, 1919	1975	July 3, 1982
457. Ram, Behari	Apr. 25, 1897	1940	Dec. 14, 1981
458. Rama Das, V.S.	Feb. 5, 1933	1975	Dec. 9, 2010
459. Rama Rao, L.	Mar. 23, 1896	1934*	Nov. 11, 1974
460. Rama Swamy, S.	Sep. 23, 1907	1935 <sup>†</sup>	Mar. 30, 1984
461. Ramachandra, K.	Aug. 18, 1933	1975	Jan. 17, 2011
462. Ramachandra Rao, B.	Nov. 21, 1922	1974	Sep. 24, 2005
463. Ramachandra Row, L.	Dec. 14, 1916	1974	Sep. 22, 1991
464. Ramachandran, Arcot	Apr. 6, 1923	1974	May 17, 2018
465. Ramachandran, G.N.	Oct. 8, 1922	1950	Apr. 7, 2001
466. Ramachandran, J.	June 12, 1935	1988	Sep. 23, 2020
467. Ramachandran, L.K.	Mar. 28, 1928	1974	Aug. 11, 1988
468. Ramakrishna, B.S.	Oct. 17, 1921	1975	Feb. 12, 2011
469. Ramakrishnan, Alladi	Aug. 9, 1923	1955	June 8, 2008
470. Ramakrishnan, C.	Jan. 30, 1939	1990	Mar. 13, 2019
471. Ramakrishnan, K.	Nov. 22, 1920	1970	Mar. 26, 1978
472. Ramakrishnan, T.	Mar. 14, 1922	1974	Feb. 15, 2008
473. Ramakrishnan, T.S.	Aug. 25, 1899	1949	Dec. 2, 1971
474. Ramalingaswami, V.	Aug. 8, 1921	1974	May 28, 2001
475. Ramamurthi, B.	Jan. 30, 1922	1972	Dec. 13, 2003
476. Ramamurti, V.	Sep. 18, 1938	2010	Nov. 19, 2016
477. Raman, C.V.	Nov. 7, 1888	1934*	Nov. 21, 1970
478. Ramanathan, A.	Aug. 29, 1946	1991	Mar. 12, 1993
479. Ramanathan, Kalpathy G.	Mar. 1, 1923	1956	Aug. 20, 2003
480. Ramanathan, Kalpathy R.	Feb. 28, 1893	1934*	Dec. 31, 1984
481. Ramanathan, Kollagunta G.	Nov. 13, 1920	1974	May 10, 1992
482. Ramanathan, Kumbakonam V.	July 17, 1926	1975	Mar. 8, 2007
483. Ramanna, Raja	Jan. 28, 1925	1966	Sep. 24, 2004
484. Ramanujam, C.P.	Jan. 9, 1938	1974	Oct. 27, 1974
485. Ramanujam, S.	Oct. 2, 1903	1941	June 9, 1979
486. Ramanujan, S.G.M.	Aug. 26, 1893	1934*	May 1982
487. Ramaseshan, S.	Oct. 10, 1923	1955	Dec. 29, 2003
488. Ramaswamy, C.	Aug. 20, 1907	1939	Aug. 17, 1991
489. Ramaswamy, E.K.	Feb. 12, 1894	1939	Apr. 22, 1979
490. Ramaswamy, G.S.	Oct. 3, 1923	1974	Mar. 9, 2002
491. Ramaswamy, K.L.		1944	
492. Ramaswamy, M.K.	Jan. 4, 1931	1963	Jan. 1, 2020
493. Ramaswamy, M.N.	Nov. 26, 1905	1936	Jan. 27, 1966
494. Ramaswamy, V.		1944	
495. Ramdas, L.A.	June 3, 1900	1934*	Jan. 1, 1979
496. Ramesh, R.	June 2, 1956	2001	Apr. 2, 2018
497. Ramiah, K.	Apr. 15, 1882	1934*	Aug. 2, 1988

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

	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
544. Rastogi, R.G.	Dec. 26, 1929	1974	July 10, 2018
545. Rastogi, R.P.	June 4, 1926	1975	Apr. 8, 2018
546. Rau, A. Subba	Feb. 1890	1936	
547. Rau, M.A. Govinda	Aug. 26, 1901	1934*	Nov. 19, 1954
548. Raychaudhuri, Amal Kumar	Nov. 1, 1923	1982	June 18, 2005
549. Raymond, J.E.G.	Apr. 6, 1915	1967	Aug. 30, 1979
550. Reddy, A.K.N.	Oct. 21, 1930	1974	May 7, 2006
551. Reddy, C.R.R.M.	Jan. 16, 1929	1980	Dec. 12, 2012
552. Rindani, T.H.	Apr. 17, 1917	1960	Oct. 24, 2012
553. Rode, K.P.	Nov. 8, 1903	1944	Dec. 2, 1985
554. Rodrigues, Veronica F	Mar. 31, 1953	1995	Nov. 10, 2010
555. Rodriguez, Placid	Oct. 5, 1940	1993	Aug. 31, 2008
556. Row, R.	Nov. 16, 1871	1934*	Nov. 14, 1953
557. Roy, D.P.	July 29, 1941	1987	Mar. 17, 2017
558. Roy, P.R.	July 21, 1936	1983	Apr. 21, 1991
559. Roy, S.C.	Mar. 1, 1899	1936	Dec. 9, 1970
560. Roy, S.K.	Jan. 1, 1895	1934 <sup>†</sup>	July 16, 1959
561. Roy, T.K.	Aug. 1, 1923	1974	Aug. 4, 2019
562. Roy, Supriya	June 1, 1931	1986	Aug. 22, 2013
563. Roy Chaudhury, S.N.	Mar. 2, 1923	1974	May 18, 2016
564. Royds, T.	Apr. 11, 1884	1934 <sup>†</sup>	May 1, 1955
565. Rudra, J.J.		1934*	
566. Rudraiah, N.	Aug. 10, 1932	1976	Sep. 19, 2019
567. Sabnis, T.S.		1935 <sup>†</sup>	1958
568. Sachdev, P.L.	Jan. 6, 1937	1984	Feb. 14, 2009
569. Sadasivan, T.S.	May 22, 1913	1945	Aug. 18, 2001
570. Sadhale, P.P.	June 16, 1960	2009	Jan. 20, 2012
571. Saha, A.K.	May 25, 1925	1975	Apr. 27, 1997
572. Sahasrabuddhe, D.L.	Sep. 1, 1880	1934 <sup>†</sup>	1953
573. Sahni, J.C.		1938	1954
574. Sahni, Birbal	Nov. 14, 1891	1934 <sup>†</sup>	Apr. 10, 1949
575. Sahni, M.R.	Mar. 1, 1899	1934 <sup>†</sup>	Jan. 13, 1983
576. Sahni, R.R.	Apr. 5, 1863	1934 <sup>†</sup>	1948
577. Salaskar, V.H.	Apr. 6, 1912	1974	Sep. 8, 1997
578. Saldanha, C.J.	Dec. 27, 1926	1980	Apr. 7, 2002
579. Sampathkumaran, M.A.	July 15, 1882	1934*	Dec. 15, 1944
580. Samuel, G.	May 26, 1898	1942	1975
581. Samuel, R.		1934*	
582. Sankaran, C.		1940	
583. Santappa, Mushi	Oct. 2, 1923	1961	Feb. 26, 2017
584. Santhanam, V.	July 31, 1925	1974	June 5, 2019
585. Sanyal, Suhas C.	Jan. 1, 1942	1992	Aug. 5, 2015
586. Sarabhai, Anand	Apr. 3, 1938	1981	Feb. 2, 2013
587. Sarabhai, Vikram A.	Aug. 12, 1919	1945	Dec. 31, 1971
588. Sarkar, S.N.	Apr. 22, 1920	1978	Sep. 10, 2004
589. Sarma, I.G.	Sep. 21, 1936	1974	Sep. 10, 1996

	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
590.	Sarma, N.V.G.	Sep. 16, 1932	1989 Dec. 5, 2008
591.	Sarma, P.S.	Oct. 29, 1917	1952 Sep. 8, 1970
592.	Sarma, V.V.S.	May 7, 1944	1989 Jan. 13, 2018
593.	Sastri, B.N.		1934*
594.	Sastry, S.G.	Nov. 1899	1934* Sep. 22, 1955
595.	Satya Murthy, N.S.	Feb. 5, 1936	1975 Oct. 8, 1984
596.	Satya Nand, D.	Nov. 1, 1906	1964 Jan. 28, 1978
597.	Satya Prakash	Aug. 24, 1905	1939 Jan. 18, 1995
598.	Savoor, Sadashiva R.	May 8, 1901	1954 1981
599.	Savur, Srinivasa R.	Mar. 26, 1894	1934* May 4, 1974
600.	Sawhney, K.	June 4, 1896	1935 <sup>†</sup> 1958
601.	Sen, P.K.	Dec. 7, 1915	1958 July 22, 1982
602.	Sen-Sarma, P.K.	Apr. 1, 1929	1984 July 29, 2002
603.	Seshachar, B.R.	Jan. 9, 1908	1953 Jan. 25, 1994
604.	Seshadri, C.S.	Feb. 29, 1932	1971 July 17, 2020
605.	Seshadri, S.N.	Mar. 15, 1937	1978 Feb. 2, 1986
606.	Seshadri, T.N.	June 15, 1905	1954 Nov. 1, 1975
607.	Seshadri, T.R.	Feb. 3, 1900	1934* Sep. 27, 1975
608.	Seshagiri, N.	May 10, 1940	1974 May 26, 2013
609.	Seshaiya, R.V.	Feb. 8, 1898	1948 Feb. 28, 1973
610.	Seth, B.R.	Aug. 27, 1907	1936 Dec. 12, 1979
611.	Seth, J.B.	1893	1935 <sup>†</sup> Feb. 1964
612.	Sethi, N.K.	July 8, 1893	1935 <sup>†</sup> Nov. 8, 1969
613.	Sethi, Pramod Karan	Nov. 28, 1927	1989 Jan. 6, 2008
614.	Sethna, H.N.	Aug. 24, 1923	1968 Sep. 5, 2010
615.	Shabde, N.G.	Apr. 12, 1906	1942 1961
616.	Shah, M.S.		1934 <sup>†</sup>
617.	Shah, N.M.		1934 <sup>†</sup>
618.	Shah, R.C.	Oct. 7, 1899	1934 <sup>†</sup> Sep. 3, 1969
619.	Shah, S.M.	Dec. 30, 1905	1951 Apr. 21, 1996
620.	Shankar, Jagdish	Oct. 3, 1912	1975 Jan. 31, 1992
621.	Shankar, P.N.	Aug. 13, 1944	1992 Apr. 15, 2019
622.	Shanmugam, G.	Dec. 18, 1938	1991 Apr. 15, 2015
623.	Sharma, Archana	Feb. 16, 1932	1977 Jan. 14, 2008
624.	Sharma, Arun K.	Dec. 31, 1924	1975 July 6, 2017
625.	Sharma, K.N.	Nov. 17, 1929	1972 June 21, 2015
626.	Sharma, N.L.	Nov. 12, 1901	1937 Jan. 14, 1988
627.	Sharma, Ram Prakash	Jan. 5, 1939	1987 Jan. 30, 2019
628.	Sharma, Vijay K.	Sep. 29, 1967	2012 Oct. 24, 2016
629.	Sharma, Vinod P.	Apr. 6, 1938	1998 Oct. 9, 2015
630.	Shastri, N.A.	June 1, 1904	1942 Jan. 2, 1995
631.	Shastry, T.P. Bhaskara	Apr. 12, 1889	1934* June 26, 1950
632.	Shastry, S.V.S.	Nov. 4, 1928	1975 Feb. 5, 2019
633.	Sheth, A.R.	Aug. 5, 1933	1988 Mar. 13, 1994
634.	Sheth, S.C.	Oct. 29, 1912	1965 Jan. 25, 1990
635.	Shri Ranjan	Aug. 16, 1899	1935 <sup>†</sup> July 8, 1969

	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
636. Shrikhande, S.S.	Oct. 19, 1917	1974	Apr. 22, 2020
637. Sibaiya, L.		1935 <sup>†</sup>	
638. Siddiqi, M.R.	Jan. 2, 1908	1934*	Jan. 2, 1998
639. Siddiqi, O.	Jan. 7, 1932	1968	July 26, 2013
640. Siddiqi, S.	Oct. 19, 1897	1935 <sup>†</sup>	Apr. 14, 1994
641. Sikka, D.R.	Mar. 1, 1932	1984	Mar. 18, 2017
642. Singh, B.K.	Apr. 17, 1886	1934*	June 15, 1960
643. Singh, B.N.	Sep. 22, 1898	1934 <sup>†</sup>	June 7, 1984
644. Singh, Digijai	Dec. 11, 1934	1981	July 20, 2018
645. Singh, Inderjit	Aug. 20, 1909	1944	June 5, 1972
646. Singh, Lalji	July 5, 1947	1989	Dec. 10, 2017
647. Singh, Udai Narain	Jan. 1, 1931	1975	Dec. 31, 2006
648. Sinha, S.K.	July 18, 1934	1983	Mar. 17, 2002
649. Sirsat, S.M.	Oct. 7, 1925	1975	July 10, 2010
650. Sivan, M.R.R.		1934 <sup>†</sup>	
651. SivaRaman, C.	Dec. 2, 1923	1977	June 25, 2014
652. Sokhey, S.S.	Dec. 15, 1887	1934 <sup>†</sup>	Oct. 23, 1971
653. Somayajulu, B.L.K.	Mar. 5, 1937	1980	Dec. 19, 2016
654. Sreekantan, B.V.	June 30, 1925	1965	Oct. 27, 2019
655. Sreenivasaiah, B.N.	July 24, 1904	1939	Feb. 16, 1987
656. Sreenivasan, A.	July 13, 1909	1950	July 20, 1996
657. Sreenivasan, K.	July 10, 1899	1944	Aug. 17, 1992
658. Sreenivasaya, M.	Dec. 5, 1895	1934*	Jan. 16, 1969
659. Sri Niwas	July 4, 1946	1995	Nov. 15, 2012
660. Srikantiah, C.		1936	
661. Srikrishna, A.	Jan. 1, 1955	1994	Jan. 20, 2013
662. Srinath, L.S.	Mar. 15, 1927	1974	Sep. 13, 2012
663. Srinivasaiengar, C.N.	Feb. 21, 1901	1939	Sep. 21, 1972
664. Srinivasan, Ramachandran	July 5, 1933	1968	Sep. 19, 2004
665. Srinivasan, Ramanujam	Apr. 21, 1938	1979	Sep. 10, 1984
666. Srinivasan, S.K.	Dec. 16, 1930	1977	Oct. 25, 2006
667. Srinivasan, V.		1934 <sup>†</sup>	July 29, 1976
668. Sriramachari, S S	June 25, 1925	1967	Dec. 25, 2009
669. Subba Rao, B.C.	Dec. 8, 1923	1975	Aug. 9, 2017
670. Subba Rao, B.R.	Aug. 25, 1925	1958	Nov. 29, 2020
671. Subba Rao, G.V.	Dec. 12, 1940	1988	Dec. 24, 2017
672. Subbaramiah, K.		1939	1944
673. Subbaraya, T.S.	Oct. 10, 1905	1935 <sup>†</sup>	Apr. 10, 1975
674. Subrahmanyam, N.C.	Oct. 5, 1943	1995	Feb. 14, 2019
675. Subramaniam, A.P.	Mar. 7, 1921	1961	Apr. 22, 1973
676. Subramaniam, M.K.	Apr. 20, 1909	1951	1974
677. Subramanian, C.V.	Aug. 11, 1924	1955	Feb. 5, 2016
678. Subramanian, T.S.	Sep. 24, 1911	1948	Sep. 19, 1987
679. Subramanyam, K.	Nov. 1, 1915	1959	Apr. 17, 1980
680. Subramanyam, S.V.	Sep. 3, 1943	1991	Aug. 1, 2015
681. Subrahmanyam, R.	1919	1956	Mar. 5, 2006

	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
682. Subrahmanyam, V.	Sep. 16, 1902	1934*	Jan. 30, 1979
683. Sudarshan, E.C.G.	Sep. 16, 1931	1963	May 14, 2018
684. Sukhatme, P.V.	July 27, 1911	1939	Jan. 28, 1997
685. Sundara Raj, B.	1888	1956	Jan. 22, 1974
686. Sundaram, A.K.	May 10, 1925	1965	Jan. 27, 1994
687. Sundaram, C.V.	Nov. 7, 1929	1974	Aug. 15, 2008
688. Sundaram, K.	Nov. 12, 1926	1974	May 20, 2008
689. Surange, K.R.	Feb. 7, 1920	1975	Jan. 6, 2010
690. Surjit Singh	June 12, 1940	1986	Sep. 6, 1997
691. Suryanarayanan, S.	Jan. 23, 1927	1971	Jan. 27, 1994
692. Swaminathan, S	Apr. 20, 1923	1969	Feb. 24, 2020
693. Swarup, G.	Mar. 23, 1929	1967	Sept. 7, 2020
694. Tamhankar, R.V.	July 28, 1917	1975	June 16, 1993
695. Tandon, R.N.	Nov. 27, 1903	1958	Dec. 18, 1999
696. Tawde, N.R.	Jan. 15, 1898	1934 <sup>†</sup>	Dec. 25, 1984
697. Taylor, E.M.	1889	1934 <sup>†</sup>	
698. Taylor, H.J.	May 18, 1906	1937	May 27, 1996
699. Telang, A.V.		1934*	1965
700. Thacker, M.S.	Dec. 3, 1904	1949	July 6, 1979
701. Thakur, R.S.		1939	
702. Thapar, G.S.	Nov. 15, 1893	1934 <sup>†</sup>	Nov. 1984
703. Thathachar, M.A.L.	May 20, 1939	1987	Jan. 7, 2017
704. Thind, K.S.	Oct. 30, 1917	1960	Dec. 3, 1991
705. Thomas, Joseph	Mar. 20, 1935	1975	Jan. 30, 2008
706. Thosar, B.V.	Apr. 3, 1913	1959	July 4, 1998
707. Tilak, B.D.	Sep. 28, 1918	1952	May 25, 1999
708. Tirumurti, T.S.	Nov. 18, 1885	1934*	Aug. 26, 1953
709. Trehan, S.K.	Apr. 4, 1931	1978	Sep. 9, 2004
710. Udgaonkar, B.M.	Sep. 14, 1927	1969	Dec. 21, 2014
711. Uppal, B.N.	June 28, 1900	1940	Nov. 22, 1989
712. Vaidhianathan, V.I.	Aug. 28, 1897	1934*	1965
713. Vaidya, P.C.	Mar. 23, 1918	1975	Mar. 12, 2010
714. Vaidyanathan, C.S.	Nov. 14, 1931	1978	Sep. 1, 1999
715. Vaidyanathan, M.		1935 <sup>†</sup>	
716. Vaidyanathaswamy, R.	Oct. 9, 1894	1934*	Mar. 17, 1960
717. Vakil, Kapilram	May 28, 1884	1934 <sup>†</sup>	Jan. 28, 1946
718. Vakil, R.J.	July 17, 1911	1943	Nov. 20, 1974
719. Valdiya, K.S.	March 20, 1937	1980	Sept. 29, 2020
720. Valluri, S.R.	June 25, 1924	1971	Jan. 23, 2019
721. Vardya, M.S.	Feb 22, 1933	1972	Jan. 20, 2013
722. Varghese, T.G.	Aug. 19, 1928	1974	Nov. 14, 1977
723. Varma, R.K.	Mar. 31, 1935	1977	May 14, 2014
724. Varma, R.M.	Sep. 7, 1922	1970	Mar. 10, 2015
725. Varma, R.S.	Feb. 1, 1905	1947	Mar. 31, 1970
726. Vazifdar, S.S.		1934*	
727. Varadachari, V.V.R.	July 1, 1925	1974	Aug. 4, 2007

	<b>Born</b>	<b>Elected</b>	<b>Deceased</b>
728. Varadarajan, M.G.	Nov. 9, 1917	1974	Oct. 5, 2004
729. Venkataraman, B.	Dec. 17, 1929	1975	Oct. 28, 2010
730. Venkataraman, G.S.	Feb. 1, 1930	1974	Oct. 3, 1998
731. Venkataraman, K.	June 7, 1901	1934 <sup>†</sup>	May 12, 1981
732. Venkataraman, M.	Dec. 31, 1923	1975	Nov. 18, 1990
733. Venkataraman, T.S.	June 15, 1884	1934 <sup>†</sup>	Jan. 18, 1963
734. Venkataraman, T.V.	1910	1957	Nov. 30, 1981
735. Venkatarayudu, T.	Oct. 10, 1910	1940	Nov. 29, 1979
736. Venkatasubramanian, V.S.	June 20, 1930	1978	July 22, 1984
737. Venkatesachar, B.	June 18, 1879	1934*	May 27, 1972
738. Venkatesan, K.	Apr. 29, 1932	1981	Dec. 31, 2019
739. Venkateswaran, C.S.	1904	1944	1978
740. Venkateswaran, R.		1935 <sup>†</sup>	
741. Venkateswaran, S.		1934 <sup>†</sup>	Mar. 12, 1971
742. Venkateswarlu, J.	Mar. 21, 1912	1953	May 20, 1978
743. Venkateswarlu, K.	June 3, 1916	1958	July 2, 2005
744. Venkateswarlu, P.	Oct. 25, 1921	1957	Aug. 8, 1997
745. Venkiteshwaran, S.P.	Feb. 15, 1905	1939	Sep. 26, 1985
746. Venkoba Rao, A.	Aug. 20, 1927	1984	Oct. 25, 2005
747. Verma, Ajit Ram	Sep. 20, 1921	1974	Mar. 4, 2009
748. Vijayaraghavacharya, T.	Aug. 1875	1934*, 1943	1953
749. Vijayaraghavan, T.	Nov. 30, 1902	1934*	Apr. 20, 1955
750. Vishveshwara, C V	Mar. 6, 1938	1977	Jan. 16, 2017
751. Visvesvaraya, M.	Sep. 15, 1861	1934*	Apr. 14, 1962
752. Viswa Nath, B.	Jan. 1, 1889	1934*	Feb. 1, 1964
753. Viswamitra, M.A.	Nov. 14, 1932	1979	Apr. 10, 2001
754. Viswanathan, D.K.	Mar. 1, 1901	1951	Mar. 27, 1960
755. Viswanathan, K.S.	June 9, 1929	1956	July 5, 2009
756. Wadia, D.N.	Oct. 23, 1883	1935 <sup>†</sup>	June 15, 1969
757. Wadia, N.H.	Jan. 20, 1925	1983	Apr. 10, 2016
758. Wheeler, T.S.	Apr. 30, 1899	1934*	Dec. 13, 1962
759. Wolf, Ludwig		1934 <sup>†</sup>	
760. 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. Anderson, P.W. (1997)
5. Askey, R.A. (1988)
6. Bawden, F.C. (1972)
7. Belfanti, S. (1935)
8. Benzer, S. (1988)
9. Bjerknes, Jacob (1959)
10. Bjerknes, V. (1947)
11. Blackett, P.M.S. (1949)
12. Bloembergen, Nicolaas (1978)
13. Blumberg, B.S. (1987)
14. Bohr, Niels (1935)
15. Bolton, J.G. (1973)
16. Bondi, Hermann (1997)
17. Bonino, G.B. (1958)
18. Bonner, J.T. (1992)
19. Born, Max (1937)
20. Bose, S.N. (1973)
21. Bovet, Daniel (1967)
22. Bowen, Ira S. (1956)
23. Bowen, N.L. (1935)
24. Bragg, William H. (1935)
25. Brenner, Sydney (1989)
26. Bridgman, P.W. (1952)
27. Brillouin, Leon (1939)
28. Broglie, L. de (1951)
29. Brown, R. Hanbury (1975)
30. Brumpton, Emile (1936)
31. Bünning, E. (1986)
32. Cabannes, Jean (1949)
33. Caspersson, T.O. (1963)
34. Chakraborty, Ranajit (2006)
35. Chapman, S. (1947)
36. Charney, J.G. (1980)
37. Cockcroft, John (1962)
38. Compton, A.H. (1935)
39. Cotton, A. (1935)
40. Cotton, Frank A. (1985)
41. Cousteau, J.Y. (1978)
42. Crick, Francis (1985)
43. Cushing, Harvey (1935)
44. Dale, Henry (1937)
45. Daly, R.A. (1952)
46. Dam, Henrik (1965)
47. Day, Peter (1995)
48. Debye, Peter (1938)
49. Dirac, P.A.M. (1935)
50. Dodson, G. G. (2003)
51. Domagk, Gerhard (1965)
52. Donnan, F.G. (1938)
53. Eccles, John (1968)
54. Einstein, Albert (1936)
55. Engstrom, Arne (1970)
56. Euler-Chelpin, H. von (1952)
57. Fermi, Enrico (1935)
58. Fisher, Hans (1935)
59. Forssmann, Werner (1967)
60. Frank, Charles (1984)
61. Frey-Wyssling, A. (1960)
62. Garrett, S.D. (1973)
63. Ginzburg, V. Lasazevich (1977)
64. Granit, R.A. (1964)
65. Hadamard, Jacques (1939)
66. Haddon, A.C. (1936)
67. Hagenmuller, Paul (1987)
68. Hahn, Otto (1958)
69. Halle, T.G. (1947)
70. Hardy, G.H. (1935)
71. Haworth, W.N. (1948)
72. Heisenberg, Werner (1935)
73. Herzberg, Gerhard (1955)
74. Hess, W.R. (1966)
75. Hevesy, G. (1951)
76. Heymaans, C. (1966)
77. Heyrovsky, Jaroslav (1959)
78. Hill, A.V. (1935)
79. Hodgkin, Alan (1975)
80. Hodgkin, Dorothy (1972)
81. Hopkins, F. Gowland (1935)
82. Houssay, Bernardo A. (1963)
83. Imry, Yoseph (2007)
84. Joffe, A.F. (1959)
85. Joliot-Curie, Irene (1935)
86. Kahn, Olivier (1999)

87. Kapitza, Peter (1948)
88. Karman, Theodore von (1961)
89. Karrer, P. (1947)
90. Kastler, Alfred (1970)
91. Khorana, Har Gobind (1976)
92. Kock, Winston, E. (1970)
93. Kohlrausch, K.W.F. (1939)
94. Krebs, H.A. (1969)
95. Krogh, A. (1947)
96. Langmuir, Irving (1937)
97. Laue, Max von (1954)
98. Lawrence, E.O. (1954)
99. Leiper, R.T. (1938)
100. Levi-Civita, Tullio (1938)
101. Lewis, G.N. (1935)
102. Liepmann, H. Wolfgang (1985)
103. Lorenz, E.N. (1981)
104. Lundsgaard, Einar (1966)
105. Lwoff, Andre (1969)
106. Lynen, F. (1968)
107. Mark, H.F. (1949)
108. Markl, Hubert S. (1991)
109. Mecke, Reinhard (1957)
110. Medawar, P. (1968)
111. Meyer, Kurt, H. (1952)
112. Millikan, R.A. (1935)
113. Mizushima, S. (1961)
114. Morgan, T.H. (1939)
115. Muller, Paul H. (1965)
116. Mulliken, R.S. (1969)
117. Nagakura, Saburo (1994)
118. Neuweiler, G. (1992)
119. Niggli, P. (1937)
120. Oda, Minoru (1995)
121. Paschen, Friedrich (1935)
122. Pauli, Wolfgang (1948)
123. Pauling, Linus (1949)
124. Pavlov, I.P. (1935)
125. Pitzer, K.S. (1986)
126. Plyler, Earle K. (1962)
127. Pontecorvo, G. (1984)
128. Porter, Lord (1989)
129. Reichstein, T. (1953)
130. Richardson, Owen (1935)
131. Robinson, Robert (1935)
132. Roshko, Anatol (1994)
133. Rouxel, J. (1994)
134. Roy, Rustom (1990)
135. Rudberg, Erik (1971)
136. Russell, John (1935)
137. Rutherford, Lord (1935)
138. Ruzicka, Leopold (1957)
139. Salam, Abdus (1988)
140. Segre, Emilio (1971)
141. Semenov, N.N. (1960)
142. Series, George (1984)
143. Seward, A.C. (1935)
144. Sewell, R.B. Seymour (1949)
145. Siegbahn, K.M.G. (1935)
146. Sommerfeld, Arnold (1935)
147. Spemann, Hans (1936)
148. Staab, Heinz A. (1989)
149. Staudinger, Hermann (1967)
150. Stoicheff, B.P. (1971)
151. Svedberg, Theodor (1935)
152. Szent Gyorgyi, A. (1948)
153. Szigeti, Gyorgy (1962)
154. Taylor, Geoffrey (1953)
155. Theorell, Hugo (1961)
156. Thomas, Sir John Meurig (1981)
157. Tiselius, Arne (1960)
158. Todd, Lord (1981)
159. Urey, Harold, C. (1956)
160. Van Slyke, D.D. (1935)
161. Vavilov, N.I. (1938)
162. Vavilov, Sergei (1948)
163. Vinogradov, A.P. (1975)
164. Warburg, Otto (1963)
165. Watson, D.M.S. (1939)
166. Weiland, H. (1935)
167. Willstatter, R. (1936)
168. Wood, R.W. (1937)
169. Woodward, R.B. (1964)
170. Wyckoff, R.W.G. (1955)
171. Yukawa, Hideki (1958)
172. Zeeman, P. (1935)
173. Zewail, Ahmed. H. (2002)

**Section D**

# **Associateship**

## THE ASSOCIATESHIP PROGRAMME

**Introduction:** 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 accepted 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 (certain conditions are applicable)
- (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, namely;
  - a. Associates will be encouraged to attend meetings of the Academy.
  - b. Organize Lecture Workshops, Refresher Courses and mentor students/teachers selected under the Summer Research Fellowship Programme.
  - c. Help in publications of the Academy as authors and participate in editorial activities of the Academy journals.

### **Who can nominate/propose:**

- (a) Fellows of the Academy can nominate. Current members of the Sectional Committees and Council Members are not entitled to serve as proposers.
- (b) 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 2021 the last date of receipt of nominations is 30 April. Duly filled in nomination forms are to be uploaded in the link circulated to the Fellowship.

**Eligibility for Nomination and Age Limit:** Nomination is open to a researcher holding a PhD, working in an institution in India. For the year 2021 candidates born after 31.12.1983 (i.e. up to 38 years of age) are considered. However, it is strongly recommended that candidates below 35 years only are nominated (i.e. candidates born after 31/12/1986 for Associateship starting in 2021). Candidates between 35 and 38 years of age should be nominated only in unusual

circumstances (e.g. representing weaker sections, those working against odds or in less endowed research institutions or in fields such as medicine where researchers take longer to establish the career), but have the potential to be outstanding scientists. Nominators may justify this in the space provided in the nomination form. An age limit of 35 will generally apply to candidates from well endowed institutions. It may be noted that a researcher who normally works in an institution in India, but is on a short-term academic visit to an institution abroad may be nominated. However, if such a nominee is selected as an Associate, the Associateship shall become operational after she/he returns to India, the date of which should be within six months of declaration of the selection results normally during July. If a selected Associate does not return to India within six months of declaration of the selection results, the Associateship will automatically be cancelled. The total period of Associateship will, however, be counted from the date of declaration of the selection results. The total number of Associates is limited to 100 (present strength is 75).

The nomination should include:

- (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.

**How is an Associate selected:** Quality of work is the sole criteria for selection with emphasis on the proven record of independent research work (this may include work conducted prior to securing a formal independent position and high quality work done abroad). In this connection, the selection committee may, if deemed necessary, seek letters from senior authors of the nominee's publications to judge the extent of independent contributions by the candidate. It would be ideal to consider PhD plus 10 years as the duration to establish independent research, which includes the period spent on post-doctoral research and that as an independent researcher at an institution.

For the purpose of selection, candidates with INSPIRE Faculty Fellowships, Ramanujan Fellowships and other similar Fellowships will be considered to have started their independent research from the beginning of their tenure in the corresponding Fellowship. Candidates representing weaker sections will be evaluated based on their perceived potential and motivation to be independent researchers. Attempts should be made to be inclusive and achieve representation from diverse backgrounds, gender and areas of work.

**The evaluation process:** Nominations are solicited in 6 subject categories:

Mathematics, (b) Physics, (c) Chemistry, (d) Earth & Planetary Sciences, (e) Engineering & Technology, and (f) Life Sciences. All valid nominations are evaluated by a joint committee of (i) the Convener of the Sectional Committee in that subject category and (ii) a member of the Council representing the subject. They will jointly make recommendations to the President of Academy. The candidates recommended by the joint committee will be considered by the President of the Academy and ratified in the Council.

While all Associates will have a guaranteed tenure of 3 years, each Associate will be evaluated at the end of two and half years for assessment of their contributions to the activities of Academy and their own scientific excellence. Based on the recommendations of the evaluation committee, an offer of renewal of Associateship may be made for another term of up to 3 years. Each year, about 33 Associates are selected (including those with a renewed 3-year term) to constitute the recommended total number of 100 Associates at any given time.

## ASSOCIATES ON ROLL

### Period

- 2020–2023 **Adlakha, Yogita Kapil**, Ph.D. (Pune), SERB Research Scientist, Translational Health Science & Technology Institute, NCR Biotech Science Cluster, Faridabad-Gurgaon Road Expressway, Faridabad 121 001, Tel. Off. (0129) 287 6354, Mobile: 79880 45129, Fax (0129) 287 6402, email: yogita.1728@gmail.com, URL: <https://thsti.res.in/profile.php?url=Yogita-adlakha>, sp. molecular biology; neuro-science; stem cells; developmental biology.
- 2020–2023 **Agasti, Sarit S**, b. 1983, Ph.D. (Massachusetts), New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2628, Mobile: 70222 56285, Fax (080) 2208 2766, email: sagasti@jncasr.ac.in, URL: <http://www.jncasr.ac.in/sagasti/>, sp. molecular imaging; super resolution microscopy; stimuli-responsive materials with biological importance; clinical diagnosis.
- 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.
- 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.
- 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, P.B. No. 6503, Sharada Nagar, Yelahanka New Town, 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.
- 2020–2023 **Bhattacharjee, Arnab**, b. 1982, Ph.D. (Delhi), Associate Professor, School of Computational & Integrative Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4787, Mobile: 99105 43606, email: arnab@jnu.ac.in, URL: <http://ccbb.jnu.ac.in/arnab/>, sp. biophysics; computational biology; biomolecular simulations; structural biology; multiscale modelling.
- 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.
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- 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.
- 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) 6136 0000/1335, 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.



- 2020–2023 **Chakraborty**, Debashree, b. 1982, Ph.D. (IIT, Kanpur), Department of Chemistry, National Institute of Technology, Suratkal 575 025, Tel. Off. (0824) 247 3212, Mobile: 70225 04322, email: debashree@nitk.edu.in, sp. theoretical chemistry; biophysics; computational chemistry.
- 2020–2023 **Chakraborty**, Kunal, b. 1982, Ph.D. (IEST), Scientist E, Indian National Centre for Ocean Information Services, Pragathinagar P.O., Hyderabad 500 090, Tel. Off. (040) 2388 6080, Res. (040) 4851 8046, Mobile: 98661 32085, Fax (040) 2389 5001, email: kcincoishyb@gmail.com, URL: <https://incois.gov.in/hrd/employeeprofile.jsp?uid=061>, sp. numerical ocean modelling; marine biogeochemistry and ecosystem dynamics; mathematical biology.
- 2019–2022 **Charu Lata**, b. 1981, Ph.D. (JNU), Information Resources & Media Division, National Institute of Science Communication & Info Resources, 14, Satsang Vihar Marg, New Delhi 110 067, Tel. Off. (011) 2696 2560, Res. (0120) 354 2368, Mobile: 99584 24684, email: charulata@niscair.res.in; charulata14@gmail.com, URL: <https://scholar.google.com/citations?user=jgx0S6QAAAAJ&hl=en>, sp. plant molecular biology; agricultural biotechnology; crop genomics; plant-microbe interaction.
- 2019–2022 **Das**, Bata Krishna, b. 1982, Ph.D. (Lancaster), 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](http://www.ddaslab.com), sp. supramolecular chemistry; systems chemistry; 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.

- 2020–2023 **Dey**, Ramendra Sundar, b. 1983, Ph.D. (IIT, Kharagpur), Scientist C, Institute of Nano Science & Technology, Knowledge City, Sector 81, SAS Nagar 140 306, Tel. Off. (0172) 221 0075, Mobile: 97755 49822, Fax (0172) 221 1074, email: rsdey@inst.ac.in; rsdey.kgp@gmail.com, URL: <https://www.inst.ac.in/scientist/31>, sp. inorganic & materials chemistry; electrochemistry; sustainable energy.
- 2020–2023 **Dhar**, Purbarun, b. 1990, Ph.D. (IIT, Madras), Department of Mechanical Engineering, Indian Institute of Technology–Kharagpur, Kharagpur 721 302, Tel. Off. (03222) 28 2938, Mobile: 91765 24190, email: purbarun@mech.iitkgp.ac.in, sp. fluid dynamics; thermal sciences; interfacial physics; species transport; viscoelasticity; electromagnetism.
- 2019–2022 **Dinesh Kumar**, b. 1982, Ph.D. (TIFR), Centre of Biomedical Research, SGPGIMS Campus, Raibareli Road, Lucknow 226 014, Tel. Off. 89532 61506, Mobile: 80054 09932, email: dineshcbmr@gmail.com; dinesh@cbmr.res.in, sp. biomolecular NMR; mechanistic structural biology; clinical & preclinical metabolomics.
- 2020–2023 **Dutta**, Arnab, b. 1984, Ph.D. (Arizona State), Department of Chemistry, Indian Institute of Technology–Bombay, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7162, Mobile: 95379 95998, Fax (022) 2576 7152, email: arnabdutta@chem.iitb.ac.in; arnab.dutta@iitb.ac.in, URL: <https://www.arnabdutta-bioinorganic-lab.com>, sp. bioinorganic chemistry; catalysis; renewable energy.
- 2020–2023 **Gandhi**, Sonu, b. 1982, Ph.D. (Panjab), Department of Biotechnology, National Institute of Animal Biotechnology, Gachibowli, Hyderabad 500 032, Tel. Off. (040) 2312 0127, Mobile: 97176 93116, email: sonugandhi@gmail.com, sp. diagnosis; biosensor; nanotechnology; theranostics.
- 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.
- 2020–2023 **Ghosh**, Kirtiman, b. 1983, Ph.D. (Calcutta), Institute of Physics, Sachivalaya Marg, Bhubaneswar 751 005, Tel. Off. (0674) 230 6423, Mobile: 94741 54676, Fax (0674) 230 0142, email: kirti.gh@gmail.com, URL: <http://ipc.iisc.ac.in/~kgr/>, sp. beyond the standard model scenarios; neutrino masses & mixings; phenomenology of Quark-Gluon plasma.

- 2018–2021 **Ghosh**, Tuhin, b. 1984, Ph.D. (IUCAA, Pune), School of Physical Sciences, National Institute of Science, Education & Research, 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.
- 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.
- 2020–2023 **Gupta**, Purvi, b. 1987, Ph.D. (Michigan), Department of Mathematics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 2571, Mobile: 91319 45880, email: purvigupta@iisc.ac.in, URL: <http://math.iisc.ac.in/~purvigupta/>, sp. several complex variables.
- 2020–2023 **Gupta**, Subhojoy, b. 1983, Ph.D. (Yale), Department of Mathematics, Indian Institute of Science, Bengaluru 560 012, Tel. Off. (080) 2293 3330, Mobile: 82774 25734, email: subhojoy@iisc.ac.in, URL: <https://sites.google.com/view/subhojoy/home>, sp. low dimensional geometry; Teichmüller theory; hyperbolic manifolds.
- 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: aritra@cse.iitkgp.ac.in; just2aritra@gmail.com, URL: <http://cse.iitkgp.ac.in/~aritra/>, sp. design verification; VLSI; CAD.
- 2020–2023 **Jaiswal**, Amit, b. 1986, Ph.D. (IIT, Guwahati), School of Basic Sciences, Indian Institute of Technology–Mandi, Kamand, Mandi 175 005, Tel. Off. (01905) 26 7154, Mobile: 86298 96027, email: j.amit@iitmandi.ac.in, URL: <http://www.theajlab.com>, sp. nanobiotechnology; materials science; biotechnology.
- 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.
- 2020–2023 **Kale**, Ruta Prabhakar, b. 1983, Ph.D. (JNU), National Centre for Radio Astrophysics, University Campus, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2571 9234, Mobile: 83088 16847, Fax (020) 2569 2149, email: ruta@ncra.tifr.res.in, URL: <http://www.ncra.tifr.res.in/~ruta/>, sp. nonthermal phenomena in galaxy clusters; radio galaxy evolution; radio astronomy techniques.
- 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.
- 2020–2023 **Kumar**, Prashant, b. 1982, Ph.D. (MNNIT, Allahabad), Atmospheric Sciences Division, Space Applications Centre, Ahmedabad 380 015, Tel. Off. (079) 2691 6050, Mobile: 79355 88861; 93757 85190, Fax (079) 2691 6075, email: kam3545@gmail.com, sp. Satellite Data Assimilation, Numerical Weather Forecasting, Indian Monsoon.
- 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.
- 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: <https://uttammannaiitg.wixsite.com/polymericlab>, 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 plasma atmosphere.
- 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 India, 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.
- 2020–2023 **Pathak**, Binita, b. 1982, Ph.D. (Dibrugarh), Assistant Professor, Department of Physics, Dibrugarh University, Dibrugarh 786 004, Tel. Off. (0373) 237 0224/039, Mobile: 95087 22688, email: binita@dibru.ac.in; pathak.binita8@gmail.com, sp. earth atmosphere & climate change; atmospheric aerosols; trace gases; climate modelling.
- 2018–2021 **Pavan Chaitanya**, Peddapati, b. 1985, Ph.D. (SV University), 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 electrodynamics; 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; photo electrochemical hydrogen electrodes and devices; air purification devices.
- 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) 523 3166, Res. (0612) 523 3427, 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.
- 2020–2023 **Ranu**, Sayan, b. 1984, Ph.D. (Univ. Calif., Santa Barbara), Department of Computer Science & Engineering, Indian Institute of Technology–Delhi, New Delhi 110 016, Tel. Off. (011) 2659 6383, Mobile: 98404 86642, email: sayanranu@iitd.ac.in, URL: <http://www.cse.iitd.ac.in/~sayan/>, sp. machine learning for graphs; spatiotemporal data analysis; bioinformatics.

- 2020–2023 **Roy**, Prosenjit, b. 1985, Ph.D. (Zurich), Department of Mathematics & Statistics, Indian Institute of Technology–Kanpur, Kanpur 208 016, Tel. Off. (0512) 259 2008, Mobile: 78924 05847, email: [prosenjit@iitk.ac.in](mailto:prosenjit@iitk.ac.in), URL: <https://www.iitk.ac.in/new/prosenjit-roy>, sp. partial differential equations; functional inequalities; variational methods.
- 2020–2023 **Saha**, Bivas, b. 1985, Ph.D. (Purdue), ICMS, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, Tel. Off. (080) 2208 2619, Res. (080) 2943 0847, Mobile: 63601 26595, Fax (080) 2208 2766, email: [bsaha@jncasr.ac.in](mailto:bsaha@jncasr.ac.in), URL: <http://www.jncasr.ac.in/bsaha>, sp. heterostructure & thin film materials science; thermoelectric energy conversion; plasmonic materials & metamaterials.
- 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](mailto: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](mailto: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 for Interdisciplinary Science & Technology, Industrial Estate P.O., Thiruvananthapuram 695 019, Tel. Off. (0471) 251 5416, Mobile: 94972 60897, email: [drsasidharbs@gmail.com](mailto:drsasidharbs@gmail.com); [drsasidharbs@niist.res.in](mailto:drsasidharbs@niist.res.in), URL: <http://www.niist.res.in/english/scientists/sasidhar-b-s/publications.html>, sp. organic synthesis; medicinal chemistry; phytochemistry.
- 2020–2023 **Sharma**, Veerendra Kumar, b. 1985, Ph.D. (HBNI), Solid State Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400 085, Tel. Off. (022) 2559 4604, Res. (022) 2085 4155, Mobile: 99694 74155, Fax (022) 2550 5151, email: [sharmavk@barc.gov.in](mailto:sharmavk@barc.gov.in); [vksphy@gmail.com](mailto:vksphy@gmail.com), URL: <http://mayank.desc.iisc.ac.in/>, sp. soft matter physics; confined fluids; neutron scattering techniques.

- 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.
- 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/](http://www.physics.iisc.ac.in/~v.singh/), sp. superconducting quantum devices; transport in mesoscopic devices.
- 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](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: <https://www.tifr.res.in/~piyush.srivastava>, sp. algorithms.



- 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](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.
- 2020–2023 **Suri**, Manan, b. 1987, Ph.D. (INPG, France), Department of Electrical Engineering, Indian Institute of Technology–Delhi, New Delhi 110 016, Tel. Off. (011) 2659 1146, email: manansuri@ee.iitd.ac.in, URL: <https://web.iitd.ac.in/~manansuri/>, sp. nonvolatile memory technology; neuromorphic & AI hardware; semiconductor hardware; security.
- 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: <http://14.139.244.219/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#](http://www.bsip.res.in/bsip_director.php?id=STA55#), sp. palaeoclimate; pollen morphology of living Plants; copropalynology; melissopalynology.

- 2020–2023 **Vasan**, Vishal, b. 1983, Ph.D. (Washington), International Centre for Theoretical Sciences, Hesaraghatta Post, Bengaluru 560 089, Tel. Off. (080) 4653 6350, Fax (080) 4653 6002, email: vishal.vasan@icts.res.in, sp. partial differential equations; fluid mechanics; inverse problems.
- 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.
- 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.

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## **ASSOCIATES SELECTED IN 2020**

1. Adlakha, Yogita K
2. Agasti, Sarit S
3. Bhattacharjee, Arnab
4. Chakraborty, Debashree
5. Chakraborty, Kunal
6. Dey, Ramendra Sundar
7. Dhar, Purbarun
8. Dutta, Arnab
9. Gandhi, Sonu
10. Ghosh, Kirtiman
11. Gupta, Purvi
12. Gupta, Subhojoy
13. Jaiswal, Amit
14. Kale, Ruta Prabhakar
15. Kumar, Prashant
16. Pathak, Binita
17. Ranu, Sayan
18. Roy, Prosenjit
19. Saha, Bivas
20. Sharma, Veerendra Kumar
21. Suri, Manan
22. Vasani, Vishal

## **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. Agashe, Deepa (2017–2020) (Animal Sciences)
6. Agrawal, Manindra (1998–2001) (Engineering & Technology)
7. Ajith, Parameswaran (2014–2017) (Physics)
8. Anand, Baskaran (2015–2018) (General Biology)
9. Anand, Sandeep (2017–2020) (Engineering & Technology)
10. Anand, Venkataramanarao Govindan (2008–2011) (Chemistry)
11. Anandavardhanan, U.K. (2007–2011) (Chemistry)
12. Ananth, Sudarshan (2009–2013) (Physics)
13. Anantharamaiah, Kuduvalli Ramaswamaiah (1983–87) (Physics)

14. Anbarasan, Pazhamalai (2015–2018) (Chemistry)
15. Ansumali, Santosh (2010–2013) (Engineering)
16. Antia, Hormazad Maneck (1986–90) (Physics)
17. Antony, Runa (2017–2020) (Earth & Planetary Sciences)
18. Arora, Dilip Kumar (1985–88) (Plant Sciences)
19. Arun, Sripati Panditaradhyulu (2010–2013) Medicine
20. Aswal, Vinod Kumar (2000–05) (Physics)
21. Athithan, Gopalasamy (1989–93) (Engineering & Technology)
22. Athreya, Siva (2002–06) (Mathematical Sciences)
23. Ayyer, Arvind (2014–2017) (Mathematical Sciences)
24. Azmi, R.J. (1983–86) (Earth & Planetary Sciences)
25. Badhulika, Sushmee (2017–2020) (Engineering & Technology)
26. Bagchi, Biman (1985–89) (Chemistry)
27. Baidya, Md. Mahiuddin (2017–2020) (Chemistry)
28. Balasubramanian, Ramachandran (1983–86)  
(Mathematical Sciences)
29. Banerjee, Abhishek (2015–2019) (Mathematical Sciences)
30. Banerjee, Dipankar (1985–88) (Engineering & Technology)
31. Banerjee, Rahul (1996–2000) (Physics)
32. Banerjee, Rahul (2009–2012) (Chemistry)
33. Banerjee, Sunanda (1985–88) (Physics)
34. Barma, Mustansir (1983–86) (Physics)
35. Basu, Amit J. (1993–97) (Engineering & Technology)
36. Basu, Biswajit (1989–94) (Engineering & Technology)
37. Beegum, Naseema (2012–2016) (Earth & Planetary Sciences)
38. Begum, Ayesha (2006–2011) (Physics)
39. Bera, Melinda Kumar (2013–2016) (Earth & Planetary Sciences)
40. Bhalerao, Varun Balachandra (2017–2020) (Physics)
41. Bharali, Gautam (2006–09) (Mathematical Sciences)
42. Bhat, B.V. Rajarama (1996–2001) (Mathematical Sciences)
43. Bhat, T. Balakrishna (1983–86) (Engineering & Technology)
44. Bhatt, Abhay Gopal (1996–2001) (Mathematical Sciences)
45. Bhattacharjee, Subhro (2016–2019) (Physics)
46. Bhattacharya, Atanu (2016–2019) (Chemistry)
47. Bhattacharya, Dipankar (1988–93) (Physics)
48. Bhattacharya, Siddhartha (2003–06) (Mathematical Sciences)

49. Bhattacharyya, Suvendra Nath (2010–2013) (General Biology)
50. Bhavesh, Neel Sarovar (2009–2012) (General Biology)
51. Bhowmick, Jyotishman (2014–2017) (Mathematical Sciences)
52. Biswas, Debabrata (1994–99) (Physics)
53. Biswas, Kanishka (2014–2017) (Chemistry)
54. Biswas, Kingshook (2009–2014) (Mathematical Sciences)
55. Chakma, Sankar (2017–2020) (Engineering & Technology)
56. Chakrabarti, Sandip K. (1989–93) (Physics)
57. Chakrabarti, Subhabrata (2004–07) (Medicine)
58. Chakraborty, Joydeep (2017–2020) (Physics)
59. Chakraborty, Partha Sarathi (2005–08) (Mathematical Sciences)
60. Chakraborty, Sagar (2016–2019) (Physics)
61. Chakraborty, Jeevanjyoti (2017–2020) (Engineering & Technology)
62. Chakravarty, Charusita (1995–99) (Chemistry)
63. Chand, Hum (2009–2012) (Physics)
64. Chandra, Amalendu (1994–98) (Chemistry)
65. Chandran, L. Sunil (2009–2012) (Engineering & Technology)
66. Chandrasekar, V.K. (2011–2014) (Engineering & Technology)
67. Chandrasekhar, Jayaraman (1986–89) (Chemistry)
68. Chaplot, Samrath Lal (1985–90) (Physics)
69. Chattaraj, Pratim Kumar (1990–93) (Chemistry)
70. Chatterjee, Ambar (1986–89) (Physics)
71. Chaudhuri, Probal (1994–98) (Mathematical Sciences)
72. Chaudhuri, Swetaprovo (2016–2019) (Engineering & Technology)
73. Chauhan, Santosh (2009–2013) (Medicine)
74. Cherayil, Binny J. (1990–93) (Chemistry)
75. Choudhury, Debajyoti (1993–98) (Physics)
76. Chowdhury, Rukhsana (1989–93) (General Biology)
77. Dabeer, Onkar Jayant (2009–2012) (Engineering & Technology)
78. Das, Partha Pratim (1993–96) (Engineering & Technology)
79. Dasgupta, Pallab (1998–2002) (Engineering & Technology)
80. Datta, Ayan (2010–2015) (Chemistry)
81. Datta, Ranjan (2010–2013) (Engineering & Technology)
82. Deshpande, Avinash A. (1989–93) (Physics)
83. Desiraju, Gautam Radhakrishna (1985–88) (Chemistry)
84. Dethé, Dattatraya H. (2011–2014) (Chemistry)

85. Dewangan, Pawan (2009–2012) (Earth & Planetary Sciences)
86. Dey, Abhishek (2010–2013) (Chemistry)
87. Dhandapani, Yogeshwaran (2016–2019) (Mathematical Sciences)
88. Dhanya, Chandrika Thulaseedharan (2016–2019)  
(Earth & Planetary Sciences)
89. Dhar, Abhishek (2001–05) (Physics)
90. Dhar, Deepak (1983–86) (Physics)
91. Dixit, Narendra M. (2008–2011) (Engineering & Technology)
92. Gadagkar, Raghavendra (1983–88) (Animal Sciences)
93. Gadgil, Siddhartha (2003–07) (Mathematical Sciences)
94. Gadre, Shridhar Ramchandra (1983–86) (Chemistry)
95. Gaikar, Vilas G. (1992–95) (Engineering & Technology)
96. Ganapathy, Radhika (2016–2019) (Mathematical Sciences)
97. Ganapathy, Rajesh (2010–2013) (Physics)
98. Ganesh, Krishnarajanagar Nagappa (1984–88) (Chemistry)
99. Ganguly, Gautam (1989–94) (Physics)
100. Garg, Rohini (2016–2019) (Plant Sciences)
101. Geetha, L. (1996–99) (Animal Sciences)
102. George, Subi Jacob (2011–2014) (Chemistry)
103. Ghosh, Anil Kumar (2007–2010) (Mathematical Sciences)
104. Ghosh, Ashish (1997–2001) (Engineering & Technology)
105. Ghosh, Pushpito Kumar (1987–89) (Chemistry)
106. Ghosh, Saurabh (2003–06) (General Biology)
107. Ghosh, Shankar (2005–09) (Physics)
108. Ghosh, Suhrit (2009–2012) (Chemistry)
109. Ghosh, Sujit Kumar (2012–2015) (Chemistry)
110. Ghosh, Zhumur (2011–2014) (General Biology)
111. Ghoshal, Shyam Sundar (2017–2020) (Mathematical Sciences)
112. Giri, Rajanish (2017–2020) (General Biology)
113. Godbole, Rohini Madhusudan (1985–88) (Physics)
114. Gogate, Parag Ratnakar (2009–2012)  
(Engineering & Technology)
115. Goswami, Debashish (2003–07) (Mathematical Sciences)
116. Goswami, Jitendra Nath (1984–87) (Earth & Planetary Sciences)
117. Govindaraju, T. (2011–2014) (Chemistry)
118. Gowrishankar, Jayaraman (1987–91) (General Biology)

119. Gudi, Thirupathi (2011–2014) (Mathematical Sciences)
120. Gun, Sanoli (2010–2013) (Mathematical Sciences)
121. Gupta, Anjan Kumar (2004–07) (Physics)
122. Gupta, Neena (2013–2018) (Mathematical Sciences)
123. Gupta, Purushottam Das (1986–89) (Physics)
124. Gupta, P.K. (1987–88) (Plant Sciences)
125. Gupta, Sanjeev Kumar (1997–2001) (Engineering & Technology)
126. Gupta, Satish Kumar (1986–89) (General Biology)
127. Guptasarma, Purnananda (1997–2001) (General Biology)
128. Guttal, Vishwasha (2013–2016) (Animal Sciences)
129. Habib, Saman (1997–02) (General Biology)
130. Hariharan, Ramesh (2000–04) (Engineering & Technology)
131. Harsha, Prahladh (2011–2014) (Engineering & Technology)
132. Holla, Yogish I. (2002–06) (Mathematical Sciences)
133. Home, Dipankar (1987–90) (Physics)
134. Hosur, Ramakrishna Vijayacharya (1985–88) (Chemistry)
135. Inamdar, Maneesha S. (1999–2002) (General Biology)
136. Inderjit (1995–98) (Plant Sciences)
137. Iyer, B.R. (1984–87) (Physics)
138. Jain, Mukesh (2007–2012) (Plant Sciences)
139. Jain, Tanvi (2010–2015) (Mathematical Sciences)
140. Jain, Vimal Kumar (1988–91) (Chemistry)
141. Jana, Subhra (2015–2018) (Chemistry)
142. Jana, Tushar (2005–09) (Chemistry)
143. Jayanth Kumar, Palanichamy (2016–2019) (Medicine)
144. Jeganmohan, Masilamani (2012–2015) (Chemistry)
145. Jemmis, Eluvathingal Devassy (1984–87) (Chemistry)
146. Jha, Rajan (2013–2016) (Physics)
147. Jha, Somnath (2017–2020) (Mathematical Sciences)
148. Joshi, Amitabh (1997–2000) (Animal Sciences)
149. Joshi, Jyeshtharaj Bhalchandra (1983–86)  
(Engineering & Technology)
150. Joshi, Yogesh Moreshwar (2006–09) (Engineering & Technology)
151. Karthikeyan, Thangaraj (2008–2011) (Engineering & Technology)
152. Kaul, Romesh Kumar (1984–87) (Physics)
153. Kavitha, Telikepalli (2007–2010) (Engineering & Technology)

154. Kayastha, Arvind Mohan (1991–95) (General Biology)
155. Kembhavi, Ajit Keshav (1983–86) (Physics)
156. Khan, Faiz Ahmed (1997–2000) (Chemistry)
157. Khan, Sameena (2016–2019) (General Biology)
158. Khare, Chandrashekhar B. (1998–2002) (Mathematical Sciences)
159. Kinger, Asha Kiran (1993–97) (General Biology)
160. Kodandaramaiah, Ullasa (2014–2017) (Animal Sciences)
161. Kolaskar, Ashok Sadanand (1984–87) (General Biology)
162. Koshti, Sucheta (1995–98) (Physics)
163. Krishnamurthy, Hulikal Ramaiyengar (1983–86) (Physics)
164. Krishnamurthy, M. (1999–2004), (Physics)
165. Krishnan, Nadathur (1990–95) (Physics)
166. Krishnan, Yamuna (2005–09) (General Biology)
167. Krishnapur, Manjunath (2009–2014) (Mathematical Sciences)
168. Kshirsagar, Abhijit Khanderao (1992–95) (Physics)
169. Kulkarni, Amol (2011–2014) (Engineering & Technology)
170. Kulkarni, Ankur Achyut (2015–2018) (Engineering & Technology)
171. Kulkarni, Manas (2017–2020) (Physics)
172. Kulkarni, Mohan Gopalkrishna (1984–88) (Engineering & Technology)
173. Kulkarni, R.N. (1984–88) (Plant Sciences)
174. Kumar, Aditya (2017–2020) (General Biology)
175. Kumar, Alok (1993–96) (Physics)
176. Kumar, Brijesh (2006–2011) (Physics)
177. Kumar, Neithalath Mohan (1984–87) (Mathematical Sciences)
178. Kumar, Praveen (2016–2019) (Engineering & Technology)
179. Kumaran, Viswanathan (1995–2000) (Engineering & Technology)
180. Lala, Anil Kumar (1983–86) (Chemistry)
181. Lele, Ashish K. (1996–2001) (Engineering & Technology)
182. Mabalirajan, Ulaganathan (2013–2016) (Medicine)
183. Mahajan, Namit (2008–2011) (Physics)
184. Mahalakshmi, Radhakrishnan (2014–2017) (General Biology)
185. Mahapatra, Santanu (2009–2012) (Engineering & Technology)
186. Maiti, Debabrata (2013–2016) (Chemistry)
187. Maitra, Uday (1989–92) (Chemistry)
188. Maji, Pradipta (2009–2012) (Engineering & Technology)
189. Malik, Sudip (2009–2012) (Chemistry)



190. Mandal, Gautam (1992–97) (Physics)
191. Mandal, Nibir (1992–97) (Earth & Planetary Sciences)
192. Mandal, Sumantra (2009–2014) (Engineering & Technology)
193. Manglik, Ajay (1996–2001) (Earth & Planetary Sciences)
194. Marimuthu, Ganapathy (1987–89) (Animal Sciences)
195. Maulik, Krishanu (2008–2011) (Mathematical Sciences)
196. Mazumdar, Shyamalava (1991–96) (Chemistry)
197. Mehra, Anurag (1989–94) (Engineering & Technology)
198. Mehra, Narinder Kumar (1983–86) (Medicine)
199. Mehrotra, Ravi (1986–89) (Physics)
200. Menon, Gautam I. (1996–2001) (Physics)
201. Mishra, Rajiv Sharan (1993–96) (Engineering & Technology)
202. Mishra, Sabyashachi (2016–2019) (Chemistry)
203. Misra, Abha (2013–2016) (Engineering & Technology)
204. Mitra, Abhijit (2008–2011) (Engineering & Technology)
205. Mitra, Supriyo (2011–2014) (Earth & Planetary Sciences)
206. Mittal, Aditya (2005–09) (Engineering & Technology)
207. Mohan, Anand (1988–92) (Earth & Planetary Sciences)
208. Mohanty, Bedangadas (2003–07) (Physics)
209. Mohanty, Saradaprasad (1989–93) (Earth & Planetary Sciences)
210. Mondal, Jagannath, (2016–2019) (Chemistry)
211. Mondal, Samrat (2016–2019) (Animal Sciences)
212. Mukerjee, Subroto (2010–2013) (Physics)
213. Mukherjee, Chandan (2015–2018) (Chemistry)
214. Mukherjee, Partha Sarathi (2007–2010) (Chemistry)
215. Mukherjee, Prabir Kumar (1997–2001) (Physics)
216. Mukherjee, Santanu (2012–2015) (Chemistry)
217. Mukhopadhyay, Banibrata (2007–2010) (Physics)
218. Mukhopadhyay, Debdeep (2011–2014)  
(Engineering & Technology)
219. Mukhopadhyay, Pritam (2007–2010) (Chemistry)
220. Mukhopadhyay, Samrat (2009–2012) (General Biology)
221. Nag, Angshuman (2014–2017) (Chemistry)
222. Nagaraj, Ramakrishnan (1985–88) (General Biology)
223. Nagendra, Harini (2003–07) (Plant Sciences)
224. Nagendran, Selvarajan (2009–2012) (Chemistry)

225. Nair, Arvind N. (2000–05) (Mathematical Sciences)
226. Nair, Nisanth Narayanan (2012–2015) (Chemistry)
227. Nair, Vijayakumar Sivadasan (2010–2015)  
(Earth & Planetary Sciences)
228. Nanda, Samik (2010–2013) (Chemistry)
229. Nangia, Ashwini (1992–95) (Chemistry)
230. Narayan, Ramesh (1983–86) (Physics)
231. Narayanan, Eravimangalam Krishnan (2001–05)  
(Mathematical Sciences)
232. Narayanan, Tharangattu Narayanan (2015–2018) (Physics)
233. Natarajan, Vijay (2010–2013) (Engineering & Technology)
234. Neelankantan, Krishnan (1983–88) (Engineering & Technology)
235. Nitsure, Nitin (1989–92) (Mathematical Sciences)
236. Nori, Madhav Vithal (1983–86) (Mathematical Sciences)
237. Padhy, Lakshmi Charan (1983–86) (General Biology)
238. Padiath, Quasar Saleem (2002–06) (Medicine)
239. Padmanabhan, Thanu (1984–89) (Physics)
240. Pal, Arupkumar (1999–2003) (Mathematical Sciences)
241. Pal, Bipul (2008–2011) (Physics)
242. Pande, Kanchan (1987–92) (Earth & Planetary Sciences)
243. Pandey, Anshu (2014–2017) (Chemistry)
244. Pandit, Rahul (1987–91) (Physics)
245. Parameswaran, A. J. (1992–97) (Mathematical Sciences)
246. Paranjape, Aseem (2015–2018) (Physics)
247. Paranjape, Kapil Hari (1992–95) (Mathematical Sciences)
248. Parthasarathi, Ramakrishnan (2008–2013) (Chemistry)
249. Patel, Apoorva D. (1990–94) (Physics)
250. Patel, Vijay Vinayak (2000–04) (Engineering & Technology)
251. Pati, Arun Kumar (1998–2001) (Physics)
252. Pati, Ashok Kumar (1983–88) (Physics)
253. Patil, Nitin Tukaram (2010–2013) (Chemistry)
254. Patil, Satish Amrutrao (2009–2012) (Chemistry)
255. Patra, Amit (1992–97) (Engineering & Technology)
256. Patra, Arpita (2015–2018) (Engineering & Technology)
257. Patwardhan, Ashwin Wasudeo (2004–2007)  
(Engineering & Technology)

258. Pavan Kumar, G.V. (2011–2015) (Physics)
259. Perlekar, Prasad (2015–2018) (Physics)
260. Prabhu, Ramappa (2015–2018) (Physics)
261. Pradeep Singh, Narayana Dhuleep (2009–2012) (Chemistry)
262. Pradip (1988–91) (Engineering & Technology)
263. Prajapati, Vijay Kumar (2016–2019) (Medicine)
264. Prasad, Amritanshu (2005–09) (Mathematical Sciences)
265. Prasad, Sudarsan D. (1984–87) (Engineering & Technology)
266. Prathap, Gangan (1985–88) (Engineering & Technology)
267. Praveen Kumar, Balanpillai (2017–2020)  
(Earth & Planetary Sciences)
268. Priyakumar, U. Deva (2011–2014) (General Biology)
269. Pucadyil, Thomas J. (2011–2014) (General Biology)
270. Radhakrishnan, Jaikumar (1994–99) (Engineering & Technology)
271. Radhakrishnan, T.P. (1990–95) (Chemistry)
272. Raghubanshi, Akhilesh Singh (1993–98) (Plant Sciences)
273. Rajadhyaksha, Rajeev Anand (1984–87)  
(Engineering & Technology)
274. Rajaraman, Gopalan (2013–2016) (Chemistry)
275. Ramakrishna, Subramaniam Anantha (2004–2007) (Physics)
276. Ramakrishnan, S. (1991–95) (Chemistry)
277. Ramaswami, Mani (1991–96) (General Biology)
278. Ramaswamy, Ramakrishna (1985–88) (Chemistry)
279. Ramaswamy, Sriram (1988–92) (Physics)
280. Ramesh, D.S. (1991–96) (Earth & Planetary Sciences)
281. Ramkumar, Peramachanahalli Sachidananda (1998–2001) (Physics)
282. Ranade, Vivek Vinayak (1994–98) (Engineering & Technology)
283. Ranganathan, Anand (2002–2006) (General Biology)
284. Rangarajan, Pundi Narasimhan (1994–98) (General Biology)
285. Rangarajan, Raghavan (1998–2001) (Physics)
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287. Ray, Debashis (1990–95) (Chemistry)
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Journal	Vol. No. in 2021	E-mail (journal_id)*
1. Bulletin of Materials Science	44	matersci
2. Dialogue: Science, Scientists, and Society (online journal)	4	dialogue
3. IASc Conference Series (online journal)	4	confser
4. Journal of Astrophysics & Astronomy	42	jaa
5. Journal of Biosciences	46	jbiosci
6. Journal of Chemical Sciences (formerly Proceedings: Chemical Sciences)	133	chemsci
7. Journal of Earth System Science (formerly Proceedings: Earth & Planetary Sciences)	130	jess
8. Journal of Genetics	100	jgenet
9. Pramana (Journal of Physics)	95	pramana
10. Proceedings (Mathematical Sciences)	131	mathsci
11. Resonance – Journal of Science Education (12 issues)	26	resonanc
12. Sadhana – Academy Proceedings in Engineering Sciences	46	sadhana
13. Current Science (published by the Current Science Association in collaboration with the Academy)	120, 121 (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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**Section G**

**Calendar of Meetings in  
2021**

## CALENDAR OF MEETINGS IN 2021

<u>Meetings</u>	<u>Date</u>	<u>Venue</u>
<b>Annual Meetings</b>		
32nd Mid-Year Meeting	02–03 July	
87th Annual Meeting	12–14 November	Guru Nanak Dev University, Amritsar
<b>Council Meetings</b>		
First Meeting	03 July	IASc, Bengaluru
Second Meeting	4–5 December	IASc, Bengaluru
<b>Sectional Committee Meetings</b>		
First Meeting	26 June	IASc, Bengaluru
Second Meeting	30 October	IASc, Bengaluru
<b>Publications' Committee Meetings</b>		
First Meeting	12 March	IASc, Bengaluru
Second Meeting	11 June	IASc, Bengaluru
Third Meeting	15 October	IASc, Bengaluru

## VENUES OF ANNUAL MEETINGS

The Academy holds an annual meeting where symposia on special subjects and scientific and popular lectures are held, with discussions of research papers. The venues of Annual Meetings since inception of the Academy are:

1935 Mumbai	1980 Lucknow
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	2020 Virtual Meeting
1977 Kolkata	
1978 Hyderabad	
1979 Chandigarh	

## LIST OF HOLIDAYS IN 2021

14 January	. .	Makara Sankranti
26 January	. .	Republic Day
02 April	. .	Good Friday
13 April	. .	Chandramana Ugadi
14 May	. .	Ramzan
26 May	. .	Buddha Poornima
21 July	. .	Bakrid
20 August	. .	Muharram
10 September	. .	Ganesha Chaturthi
15 October	. .	Vijayadashami
19 October	. .	Id Meelad
01 November	. .	Rajyotsava Day
04 November	. .	Deepawali
19 November	. .	Guru Nanak's Birthday

**Section H**

**Staff**



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Brahmanandha, N. N.	2266 1224	–	99640 76324	brahma
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Thirumalai, N.	2266 1204	2663 4067	98807 15025	thiru
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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
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Sudarshana Dhar	2266 1279	2360 0273	99454 35868	sdhar
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Tejeswini, T. M.	2266 1211	–	95912 37887	tejes12
<b>Journals' Circulation</b>				
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<b>Computer &amp; IT Support</b>				
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<b>Supporting Staff</b>				
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## NOTES

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