




Faculty Details proforma for DU Web-site

Title	Professor	First Name	Ramesh	Last Name	Chandra	Photograph
Designation	Head & Professor					
Department	Chemistry					
Address (Campus)	Department of Chemistry, University Of Delhi, Delhi- 110007					
(Residence)	38/01, Probyn Road, University of Delhi, Delhi- 110 007, India					
Phone No (Office)	Tel: +91-11-27667151 Telefax: +91-11-27666294 +91-11-27667593(Res)					
(Residence)						
Mobile	+91-9810240532					
Email	acbrdu@hotmail.com rchandra@chemistry.du.ac.in					
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	University of Delhi				1981-1982	
*F.IC	Institution of Chemists, India				1987	
Certificate in Forensic Science	University of Delhi				1979	
M.Phil.	University of Delhi				1978	
* (Equivalent to Ph.D)						
Career Profile						
<p>Prof. Ramesh Chandra is a distinguished scientist; Fellow of the Royal Society of Chemistry, London and an outstanding researcher in the field of Biomedical Sciences. He is Professor of Chemistry at University of Delhi and Founder Director of Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi. He has been Vice-Chancellor, Bundelkhand University, Jhansi for six years (1999-2005) as well as the President of the Indian Chemical Society (2004-2006), Member, Planning Commission, Government of U.P., India and Secretary - Zaheer Science Foundation, New Delhi, Non-Official Director, Rashtriya Ispat Nigam Ltd (RINL).</p> <p>Professor Chandra shows deep commitment to the cause of higher education and research and possess in ample measure, quality of dynamic leadership and a vision required for building academic institutions. Professor Chandra started his research career at the University of Delhi, thereafter he went to The New York Hospital-Cornell University Medical Center and the Rockefeller University, New York; State University of New York at Stonybrook as Assistant Research Professor. He conducted advanced research at the Harvard University Medical School-Massachusetts General Hospital, jointly at MIT, Cambridge, USA. Over the last 39 years, Professor Chandra has contributed largely in the field of Chemical Sciences and particularly in New Drug Discovery and Development as well as Drug Metabolism. His research work is being used in the development of drugs for Physiological Jaundice/ Neonatal Jaundice and development of naturally occurring chemotherapeutic agents for</p>						

the treatment of Breast and Ovarian Cancers, and drugs for Diabetes and Hypertension. He has supervised large number of Ph. D. and M. Phil. Students, in all trained more than 100 research scholars, who are now occupying high positions internationally. He has published more than 260 original Scientific Research Papers in International journals of repute, including Review Articles/Monographs, Book Chapters; Four of his internationally acclaimed Books.

Prof. Chandra is the recipient of several professional national/ international recognitions. These includes Award of the Highest Honor of Soka University, Tokyo, Japan (2000); J William Fulbright Scholarship(1993); The Rockefeller Foundation USA-Biotechnology Career Award (1993); UGC Career Award(1993); UGC Research Scientist Award (1988); Rajib Goyal Award for Young Scientists (2002); Lifetime Achievement Award of The Indian Chemical Society (ICS) (2003); Bronze Medal of the Chemical Research Society of India (CRSI) (2004); Prof. Ghanshyam Srivastava Commemoration Award of ICS (2002); Prof. D. P. Chakraborty Commemoration Award of ICS (2001); IMNM-99 Award; Gold Medal in Integrated Medicine for New Millennium (1999); Vidya Ratan Gold Medal (2005) and Dr. BR Ambedkar National Award (2004). He is Fellow of The Royal Society of Chemistry, London; International Academy of Physical Sciences; Institution of Chemists, India and the Indian Chemical Society. He is member of several International Scientific Societies.

He has been a member of the Governing Council, BOG, Executive/ Academic Councils of several Universities/ Institutions globally and also Member – U.P Council of Higher Education; U.P. State, Youth Welfare Council and others. He has also been Consultant and Advisor to the various multinational companies like Polaroid Corporation, Diakron Pharmaceuticals, USA, HIKMA Pharmaceuticals-Jordan & currently Consultant to Proviva Pharma, Canada and Director of BIZ SHAKTI, India etc; Advisor to various academic institutions, viz. IIT-Allahabad & others and also non-official Director of PSU's, Govt. of India. Prof. Chandra is a prolific writer and displays extraordinary flair for writing on themes particularly to Higher Education and social issues.

A brief statement regarding the most innovative contribution

Prof. Ramesh Chandra has made sustained, outstanding contributions to the invention, discovery and development of new drugs. He has discovered novel molecules such as EM011, EM012, EM015, (which are based on natural opioid, noscapine), which display unique anti-microtubule properties (high efficacy and no detectable toxicity towards tissues). In particular he has demonstrated high promise of EM011 (bromo-noscapine) in leukemia treatment, and of EM015 (chloro-noscapine) in breast tumor regression, in comparative studies with other anti-microtubule acting drugs.

He has projected a therapy for neonatal jaundice, which has gained in-depth investigations on binding affinity of Heme Oxygenase Inhibitor, Sn-protoporphyrin and Sn-mesoporphyrin, with proteins, apomyoglobin and human serum albumin and mechanism of interaction of retinoic acid with Heme Oxygenase and other heme metabolic enzymes.

Prof Chandra has shown that heterocyclic compounds such as 5-(4-methylpiperazin-1-yl)-2-[2'-(3,4-dimethoxyphenyl)-5'-benzimidazolyl]-benzimidazole (DMA) and 5-(4-methyl-piperazin-1-yl)-2-[2'-(4-hydroxy-3-methoxyphenyl)-5'-benzimidazolyl]-5'-benzimidazolylbenzimidazole (TBZ) are good novel ligands which provide increase sequence and structure selective recognition and enhanced fluorescence upon DNA minor groove binding; the features have special significance for development as probes for chromatin structure stability.

Also, Prof Chandra has developed several polymer based non-viral vectors and successfully demonstrated their efficacy to deliver genes and siRNA to mammalian cells by exploring chitosan and PEI & modulate them to fabricate nanoparticles for delivery of genes and siRNA.

Administrative Assignments

EXPERIENCE (Administrative, Academic and Research):

- Head, Department of Chemistry, University of Delhi, Delhi August 2017 - onwards
- Vice-Chancellor, Bundelkhand University, Jhansi August 2002- July 2005
- Vice-Chancellor, Bundelkhand University, Jhansi July 1999-July 2002
- Member, Planning Commission, Govt. of Uttar Pradesh 2001-2004
- President, Indian Chemical Society, Kolkata 2004-2006
- Vice-President, (Ex Officio) Indian Chemical Society, Kolkata 2006-for Life
- Director -Rashtriya Ispat Nigam Ltd. (RINL) (Non-Official) August, 2009-2010
Vihakhapatnam Steel Plant, Vishakhapatnam-520031
- Member, U.P, State Youth Welfare Council 2005-2007
- Director, Dr. B.R. Ambedkar Center for Biomedical Research 1995 onwards
University of Delhi, Delhi-110007
- Project Director, Dr. B.R. Ambedkar Center for Biomedical Research 1991-1995
University of Delhi, Delhi-110007
- Chairman, Board of Research Studies 1997-99
Faculty of Science, University of Delhi, Delhi-110007, India
- Chairman, Publication Advisory Committee 1997-99
University of Delhi, Delhi – 110 007, India
- Joint Proctor 1995-99
University of Delhi, Delhi - 110 007, India
- UGC Career Award, 1994-97
University of Delhi, Delhi
- **Professor**, Department of Chemistry, University of Delhi, Delhi June 1996 – onwards
- Research Scientist-C (**UGC National Professor**), University of Delhi April 1993-June 1996
- J. William Fulbright Scholar: The New York Hospital, 1994
Cornell University Medical Center, NY 10021, USA
- Research Scientist-B (**UGC National Reader**), University of Delhi 1988-93
- Research Fellow: Harvard Medical School 1988
Massachusetts General Hospital, Boston, MA 02114, USA
Jointly at Dept. of Chem. Engg. Massachusetts Institute of Technology (MIT), Cambridge, USA,)
- Assistant Research Professor: Pharmacology Dept. 1986
School of Medicine, SUNY, Stonybrook, New York 11794, USA
- Lecturer: Department of Chemistry, University of Delhi 1985-88
- Research Associate: Department of Biochemistry 1983-85
The New York Hospital-Cornell Medical Center jointly at
The Rockefeller University, New York, NY 10021, USA
- Scientist-B, Publication and Information Directorate 1982-83
Council of Scientific & Industrial Research, New Delhi, India
- Research Associate, Department of Biochemistry 1982
V. P. Chest Institute, University of Delhi, Delhi- 110 007

CORPORATE ADMINISTRATIVE EXPERIENCE

Consultant	Proviva Pharma Inc. 1100, De la Montagne, Unit-1505, Montreal, Quebec, H3G OA1, Canada	June 2016 onwards
Director - 2010 (Non-Official) India, Undertaking)	Rashtriya Ispat Nigam Ltd. (RINL) Vihakhapatnam Steel Plant, Vishakhapatnam- 520031	August, 2009- (A Government of
Member -	Audit Committee, (RINL) 2010 Vihakhapatnam Steel Plant, Vishakhapatnam-520031	August, 2009-
Member -	High Power Steering Committee 2010 Rashtriya Ispat Ligam Ltd. Vihakhapatnam Steel Plant, Vishakhapatnam- 520031	August, 2009-
Member -	Subcommittee for long term Service Agreements 2010 Rashtriya Ispat Ligam Ltd. Vihakhapatnam Steel Plant, Vishakhapatnam- 520031	August,2009-
Member -	Empowered Joint Committee (EJC) of SAIL & RINL	2009-2010
Member -	Governing Council, onwards Steel Research &Development Mission (SRDM), Virtual Center, R & D Center, Hyderabad (Funded by Ministry of Steel, Govt. of India)	2006
Founder -	Steel Resource and development mission (SRPM) Society,	2006-onwards
Member	(Established by Ministry of Steel, Govt. of India)	
Director - (Non-Official)	BIZ Shakti Inc., Boston, USA	2000-2006
Director - (Non-Official)	BIZ Shakti India Pvt. Ltd., New Delhi	2000-2006
Scientific - Advisor	Polaroid Corporation, Cambridge, MA, USA	1994-1999
Advisor - (Wholly owned subsidiary of Polaroid Corporation, USA)	Polaroid India Pvt. Ltd.	1994-1999

MEMBER OF THE SEARCH COMMITTEES FOR APPOINTMENT OF VICE CHANCELLORS:

Member-	Search/Selection Committee for the post of Vice-Chancellor Ch. Devi Lal University, Sirsa (Haryana)-2005
Member-	Search/Selection Committee for the post of Vice-Chancellor Maharishi Dayanand University, Rohtak (Haryana)-2004
Member-	Search/Selection Committee for the post of Vice-Chancellor Arunachal University, Itanagar (Arunachal Pradesh)-2003
Member-	Search/Selection Committee for the post of Vice-Chancellor Himachal University, Shimla (HP)-2001

Areas of Interest / Specialization**Drug Discovery, Drug Metabolism, Bioinorganic Chemistry****Subjects Taught**

- **Professor**, Department of Chemistry, University of Delhi, Delhi June 1996 - onwards
- Research Scientist-C (**UGC National Professor**), University of Delhi 1993-June 1996
- J. William Fulbright Scholar: The New York Hospital, Cornell University Medical Center, NY 10021, USA 1994
- Research Scientist-B (**UGC National Reader**), University of Delhi 1988-93
- Research Fellow: Harvard Medical School
Massachusetts General Hospital, Boston, MA 02114, USA 1988
Jointly at Dept. of Chem. Engg. (MIT, Cambridge, USA)
- Assistant Research Professor: Pharmacology Dept.
School of Medicine, SUNY, Stonybrook, New York 11794, USA 1986
- Lecturer: Department of Chemistry, University of Delhi 1985-88
- Research Associate: Department of Biochemistry
The New York Hospital-Cornell Medical Center jointly at 1983-85
- Research Associate, Department of Biochemistry
V. P. Chest Institute, University of Delhi, Delhi- 110 007 1982

ADVISOR/ SUPERVISOR OF THE Ph.D./ M.D. THESIS:

1. Cancer prevention targeting HDAC enzyme: An *in silico* and *in vitro* study
(Ph.D., February 2018, Mr. Neeraj Kumar)
2. Noscapiene: A promising therapeutic agent for cancer
(Ph.D., February, 2017, Ms. Vartika Tomar**) Awarded in November 2017.
3. Metal Nanoparticles using plant extract: Synthesis and their biological applications.
(Ph.D., 2013, Mr. Pradeep Kumar**) Awarded in February 2014.
4. Role of Metalloporphyrins in Modulating Malaria Induced Haemolytic Anaemia in Mouse Model
(Ph.D., June 2011, Ms. Aparajita)
5. Role of Nitric Oxide in T cell Apoptosis.
(Ph.D., June 2011, Mr. Unni Krishnan Nair R*)
6. Synthesis of Mimic of the dihydro pyrione calcium channels antagonists and Synthesis of Piperioine Derivatives (Azasugars)
(Ph.D., May 2011, Ms Sakshi Malik*)
7. Novel Methods for the Synthesis of oligonucleotides and their modified Analogs
(Ph.D., October 2010, Mr. Gagan Dhawan*)
8. Identifiacion and functional characteraization of cellualr protein inter acting with HIV integrase and inhibition of these proteins interaction by Specific Ribozyme
(Ph.D., 2010, Mr. Nirpendera Singh)
9. Preparation and Evaluation of Preformulated Niosomes containing antioxidants in Gel
(Ph.D., April 2010, Ms. Anita R. Desai)
10. Novel routes for the Synthesis of Thiazolidine-2,4-diones and their studies.
(Ph.D., 2009, Mr. Prashant Singh**) Awarded in February 2010.
11. Biochemical Investigations On The Antidiabeic Effect And Mechanism Of Action Of Cinnamomum Zeylanicum And Brassaic Nigra In Experimantal Dioabetes
(Ph.D., September 2009, Ms. Prachi Anand)
12. Synthesis and Pharmacokinetic Studies of Noscapiene Analogs having Antitumor Activity.
(Ph.D., March 2009, Ms. Neerupma Dhiman)
13. To study the effect of Noscapiene and its Analogues on Ovarian Cyst and Tumour.
(Ph.D., April 2008, Ms. Anjali Priyadarshani)
14. Pharmacological evaluation of free rdical scavengng and antidiabetic activity of some common medicinal plants.
(Ph.D., June 2008, Mr. Nanu. R. Rathod)
15. Study on Phytochemical and Pharmacological Activity of *Scoparia Dulcis*.Linn
(Ph.D., February 2008, Mr. Manhunath K.P.)
16. Copper Nano particles Catalyzed C-N bond formation: Michael reaction and Amination of Aryl Halides.
(Ph.D., 2007, Mr. Rupesh kumar**)
17. Clinical Investigation of Sapindus trifoliatuf (Reetha): Isolaiton of Antimigrain Active Principles
(Ph.D., October 2007, S.K. Joshi)
18. Studies on the Antidiabeteic Effects of *Terminalia chebula* in Experimental Animals.

- (Ph.D., September 2007, Mr. Yanda Murali Krishna)
19. A Study on Phytochemical and Biological activity of Carissa Carandas Linn.
(Ph.D., May, 2007, Mr. Mallikarjun Malipatil)
 20. Development of Nanoparticle Based Carrier Systems for the delivery of Biomolecules
(Ph.D., August, 2006, Mr. Surendra Nimesh)
 21. Study of Secretory protein(s) of Mycobacterium Tuberculosis: Molecular characterization and analysis of Immunological properties with special reference to application in serodiagnosis and utility of vaccination against Tuberculosis.
(Ph.D., May 2006, Mr. Dileep Tiwari)
 22. Studies on Some Botanicals with Immunomodulatory Properties
(Ph.D., November 2005, Mr. Raghuveer Irchhaiya)
 23. Synthesis of Bifunctional Chelating Agents to label Monoclonal Antibodies for Radio Immunodiagnosis of cancer.
(Ph.D., December 2005, Mr. Bhupinder Chitkara**)
 24. Syntheses and Evaluation of Specific Radiopharmaceuticals for Target Specific Scintigraphy and Cancer Therapy
(Ph.D., August 2005, Ms. Puja Panwar)
 25. A Systematic Study of Criminal Justice Administration in India
(Ph.D., July 2005, Mr. K. S. Pratap Kumar)
 26. Pre-clinical Pharmacokinetics of New Anti-TB Compound
(Ph.D., June 2005, Ms. Jyoti Idnani)
 27. A Study on Some Common Narcotic Drugs of Abuse from Hair
(Ph.D., May 2005, Mr. Navjot Kaur Kanwal)
 28. Studies on the Cost Effective Process for Cefixime and Characterization of Related Impurities
(Ph.D., (Ph.D., March 2005, Mr. Dnyandev R. Rane)
 29. The New Synthesis of Mefloquine Hydrochloride an Antimalarial Drug and its Analogues
(Ph.D., March 2005, Mr. Sanjay Deshmukh)
 30. Isolation and Characterization of Impurities of Cephalosporins.
(Ph.D., January 2005, Mr. Anurag Trivedi)
 31. Non-Hormonal Intravaginal Contraceptives Device: Bioring™
(Ph.D, January 2005, Ms. Mukul Singh)
 32. Phytochemical & Pharmacological Investigation of Vitex negundo & Ficus religiosa for Antidiabetic Activity
(Ph.D, Decemmer 2004, Mr. Sanjay Kumar Jain)
 33. Synthesis of Some New Derivatives: A Redox Delivery Prodrug Approach for Brain Specific Sustained Release
(Ph.D, November 2004, Mr. Kamta Prasad Namdeo)
 34. Proniosomal Transdermal Drug Delivery System of Eseradiol, Ethinylestradiol and Levonorgestrel for Contraception and Hormone Replacement Therapy
(Ph.D, October 2004, Mr. Sunil K. Kumhar)
 35. Ocular Delivery of Biopeptide / Bioprotein using Carrier System
(Ph.D, September 2004, Mr. Awani K. Rai)
 36. A Study of Bronchial Asthma with special reference to Menstruation
(Ph.D., September 2004, Ms. Neelima Raj)

37. Reconstruction of Living stature through upper limb dimensions among Brahmins and Yadavs of Bundelkhand region of U.P.
(Ph.D., July `2004, Ms. Anu Singla)
38. Studies on biomethanation process of wastes from Tanneries and Slaughterhouse
(Ph.D., June 2004, Mr. N. P. Singh)
39. Investigation of antigenic epitopes of HIV-I and HIV-2 for the diagnosis, immunogenecity and immunotherapy of HIV/AIDS.
(Ph.D., May 2004, Mr. Sanjay Kumar Singh)
40. Studies releated to reproduction physiology and factors, responsible for biochemical aspects of sperm maturation in male genital tract of Spodoptera litura (Lepidoptera: Noctuidae)
(Ph.D., May 2004, Ms. Anjali Dhar)
41. Systematic Investigation of Curcuma longa (Turmeric): Isolation, Purification and Chatacterization of Sesquiterpenoid Compounds Active Against Pathogenic Bacteria
(Ph.D., April 2004, Mr. Rambir Singh)
42. A Study of the Metalloporphyrin Mediated Heme Oxygenase Modulation in Oxidative Stress-Induced Liver Injury
(Ph.D., April 2004, Mr. Jagdish Chander)
43. Synthesis of substituted 1,2,3,4 – Tetrahydroquinoxalin-2-One-Analogues of Thiazolidinedione: Potent Euglycemic and Hypolipidemic Agents.
(Ph.D., April 2004, Ms. Dipti Gupta)
44. On the Intracellular Survival of Mycobacteria: Biochemical studies on serina – Threomine Kinases of Mycobacterium tuberculosis.
(Ph.D., November 2003, Ms. Anubha Singh)
45. Effect if Calcium Channel Antagonists (Nifedipine) on the Dynamics of T-Lymphocytes during the Course of P.berghei Infection
(Ph.D., October 2003, Mr. Karni Singh Moshal)
46. Synthesis of Novel Azole Derivatives as Antifungal Agents
(Ph.D., October 2003, Mr. Ram Shankar Upadhyaya)
47. Safety Pharmacological Evaluation of LLL-2011: An Anti Migraine Herbal Formulation
(Ph.D., October 2003, Mr. Rajan Goel)
48. Cytotoxic and Radiomodifying Effects of Certain Antioxidants in Established Normal and Transformed Cell Lines
(Ph.D., September 2003, Ms.Ligy Koshy)
49. Controlled Release Systems of Oral Cephalosporin Antibiotic
(Ph.D., September 2003, Mr. Himadri Sen)
50. Pharmacological Investigation of Calotropis Gigantea in Bundelkhand Region
(Ph.D., September 2003, Mr. Chitme Havagiray)
51. Studies on Transcriptional Activation at Targeted Sites Through Triplex Forming Oligonucleotides. (Ph.D., September 2003, Mr. Mrinal K. Ghosh)
52. A study of the influence of Phytoestrogens-Genistein and Daidzein on chemically induced oxidative stress and free radical generating system in Wistar Rats.
(Ph.D., July 2003, Ms. Gunjan Upadhyaya)
53. Multistranded DNA Structures.
(Ph.D., July 2003, Ms. Sarika Saxena)

54. Toxicological and Immunological evaluation of noscapine, an antineoplastic agent.
(Ph.D., June 2003, Ms. Pankaj Sharma)
55. The synthesis of novel diallyldisulphide compounds having antilipidemic and antioxidant activity.
(Ph.D., December 2002, Ms. Meenakshi Sharma)
56. Use of the Active Principles of *Withania somnifera* to Treat Skin Toxicity Leading to Skin Carcinoma, Induced by UV-Radiation.
(Ph.D., December 2002, Ms. Sheenu Mathur)
57. Immunopathology of Cerebral malaria: Profiling of Th-2 Cytokines and IgE in a Mouse Model.
(Ph.D., December 2002, Ms. Sheetal Sharma)
58. To Study the Effect of Dietary Fat and Endotoxin on Immune Responses and Pathogenesis of Experimental Alcoholic Liver Disease.
(Ph.D., December 2002, Ms. Charu Mehra)
59. Synthesis of New 1,4-Dihydropyridines of Pharmacological importance and addition reactions upon 1,4-Dihydropyridines.
(Ph.D., December 2002, Mr. Anil Kumar Teotia)
60. Effect of Active Constituents of *Withania somnifera* on Anti-stress activity in an Animal Model.
(Ph.D., December 2002, Ms. Parvinder Kaur)
61. Evaluation of diagnostic and prognostic value of nested-Polymerase Chain Reaction in the reactivation of Cytomegalovirus Infection in Renal Transplant Recipients.
(Ph.D., December 2002, Ms. Niti Singh)
62. Synthesis of Novel Monosaccharides as Anti-cancer agents.
(Ph.D., August 2002, Mr. Naval Kishore)
63. Synthesis of N-Substituted Piperaziny Carbamoyl, Acetyl and related analogues of Papaverine: potent Antispasmodic Agents.
(Ph.D., July 2002, Ms. Jaskiran Kaur)
64. Noscapine, An Anti Tumor Opium Alkaloid: Synthesis of Its Derivatives, Effect on Drug Metabolism and Hepato-Renal Toxicity in Male Wistar Rats.
(Ph.D., April 2002, Ms. Shefali Aggarwal)
65. Analysis of Cephalosporin Antibiotics.
(Ph.D., April 2002, Mr. Pritesh Rameshbhai Upadhyay)
66. Toxicological Evaluation of LLL2011 and Anti Migraine Herbal Preparation.
(Ph.D., March 2002, Mr. Sharad Kumar Sharma)
67. Anthrax Toxin Mediated Delivery of Protein Antigens.
(Ph.D., December 2000, Ms. Varsha Sharma)
68. Development of New Synthetic Routes for Drug and Drug Intermediates: In relation to Cisapride (A 5HT₂ Receptor Agonist).
(Ph.D., November 2000, Mr. Akhilesh Verma)
69. A new Approach to look into the Chemistry and Biology of Heme in relation to Anti Tumor Agents: Anthracenediones.
(Ph.D., June 2000, Ms. Charu Rewal)
70. New Innovations in Metal Porphyrin Biochemistry: Interaction with Vitamin B₂ (Riboflavin) to control Neonatal Jaundice.
(Ph.D., April, 2000, Ms. Ritu Jain)
71. Investigation of Hypothalamus-Pituitary-Adrenal Axis Dysregulation in Major Depressive Disorder-A Focus on Serial DST.

(**M.D.**, May 2000, Dr. Girish Sawhney)

72. A comparative Study of the Therapeutic Response of Sertraline and Electroconvulsive Therapy (ECT) and its Correlation with Platelet Serotonin (5-HT) Content in Patients with Depressive Disorder.

(**M.D.**, April, 2000, Dr. Ajay Dogra)

73. Multidentate Macromolecules: Effect on Heme Metabolism.

(**Ph.D.**, December 1999, Ms. Deepali Jain)

74. Cytochrome P-450 Dependent Drug Metabolism and Oxidative Stress as Influenced by Opium Alkaloids in vivo In Rats.

(**Ph.D.**, September 1998, Ms. Archana Sharma)

75. Biological Studies of some Symmetric Heterocycles (Metalloporphyrins).

(**Ph.D.**, February 1998, Ms. Manisha Tiwari)

76. Biochemical Studies on Fibronectin.

(**Ph.D.**, February 1998, Mr. Nizamuddin)

77. Biological Activity of Heme Metabolic Enzymes as Influenced by Xenobiotics in Association with Metalloporphyrins in Rats.

(**Ph.D.**, September 1996, Ms. Ritu Aneja)

78. Metal Ion Interaction in vivo on Hepatic Heme Metabolism in Rats.

(**Ph.D.**, August 1995, Ms. Mukta Dhawan)

79. Some Studies on the Regulation of Induction of UV (254 nm) Specific Damage and Repair Processes: An Immunological Approach.

(**Ph.D.**, October 1994, Mr. G.U.Gurudutta)

80. Regulation of Pulmonary Surfactant Biosynthesis and Heme Metabolism by Synthetic Metal Porphyrins.

(**M.D.-** Doctor of Medicine, August 1994, Ms. Sujata Wengkheimayum)

81. Studies of Some Potential Anti Cancer Agents: Synthesis and characterisation of Metal Complexes of Macrocyclic ligands having resemblance to biological systems: An approach to develop and evaluate model systems.

(**Ph.D.**, June 1990, Ms. Anjana Sarkar)

82. Synthesis and study of some Heterocyclic compounds as potential Therapeutics: Their Interaction in Heme Metabolism and Biosynthesis.

(**Ph.D.**, May 1990, Mr. Narendra Nath Ghosh)

83. Effect of Metalloporphyrins on Heme Metabolism and Biosynthesis: An approach to develop metalloporphyrins therapy for Neonatal Jaundice.

(**Ph.D.**, February 1989, Ms. Ripla Beri)

84. Biological Properties of Pyrimidine derivatives and their Effect on DNA.

(**Ph.D.**, September 1987, Ms. Rachna Agrawal)

(**Note:** * - Thesis of these students was signed by the co-supervisors

** - These students have worked under my supervision but were registered with my co-workers

ADVISOR/SUPERVISOR of Ph.D. students:

(Thesis of these students were submitted under my supervision, but they have worked with co-supervisors.)

1. Synthesis, Spectral Investigation and Biological Studies of Coordination Compounds of Mn (II), Co(II), Ni(II), Cu(II) with Nitrogen and Oxygen Donor Ligands.
(Ph.D., February 2019, Mr. Ravi Kant) Co-supervisor – Dr. Sulekh Chandra
2. Synthesis, Characterization and Biological Screening of Transition Metal Complexes with Schiff's base Ligands
(Ph.D., February 2019, Ms. Monika Tyagi) Co-supervisor – Dr. Sulekh Chandra
3. Synthesis, Spectral Characterization and Molecular Modelling of Co(II), Ni(II), Cu(II) and Zn(II) Complexes of Nitrogen, Oxygen and Sulphur containing Tetradentate Schiff's base ligands.
(Ph.D., February 2019, Mr. Satish Chand) Co-supervisor – Dr. Sulekh Chandra
4. Micronutrient containing clay polymer composite films as seed coating material for better plant growth
(Ph.D., February 2018, Ms. Priyanka Kumari) Co-supervisor – Prof. Monika Dutta
5. Application of Naturally Occuring Clay Minerals for the Synthesis of Nano Pigments as Colorant
(Ph.D., September, 2017, Ms. Neeraj Kumari) Co-supervisor – Prof. Monika Dutta
6. Synthesis, Reaction and Applications of Selected Newer Functional Porphyrinoids
(Ph.D., September, 2017, Ms. Uma Narang) Co-supervisor – Prof. SMS Chauhan
7. Chemical Reactions of Selected Porphyrinoids and Polyaromatic Hydrocarbons
(Ph.D., September, 2017, Ms. Smriti Arora) Co-supervisor – Prof. SMS Chauhan

ADVISOR/ SUPERVISOR OF THE M.Phil. THESIS:

1. Electrophilic Oxidative Additions upon 1,4 Dihydropyridines
(M.Phil., September, 1999, Mr. Anil Kr. Teotia)
2. Physico-Chemical studies on Manganese (II) and Copper (II) complexes of Macrocyclic Ligands
(M.Phil., September, 1999, Ms. Aparna)
3. Biochemical Studies of Melatonin and SnPP on Cytochrome P450 Dependent Enzymes: Pharmacological Consequences
(M.Phil., August 1998, Ms. Gunjhan Upadhyaya)
4. Membrane Stability in Relation to Metal Ions Interaction.
(M.Phil., May 1992, Ms. Shashi Goel)
5. Alcohol Dehydrogenase Inhibitor/Activator: Pyrazole [3,4-d] Pyrimidine derivatives of Thiobarbituric acid.
(M.Phil., May 1992, Mr. Rasanand Sahu)
6. Suppression of chemically Induced Experimental Hepatic Porphyria by Macrocyclic Metal Compounds: Potential Clinical Implications
(M.Phil., October 1991, Ms. Anuradha Aggarwal)
7. Toxicity of Metal Ions on Neonatal Rat Brain: Influence on Demyelination and Mitochondrial Membrane stability.

(M.Phil., April 1990, Mr. Prem Pal)

8. Hepatic Mitochondrial Membrane Chemistry and Heme Metabolism in relation to Multidentate Macromolecules.
(M.Phil., June 1989, Ms. Deepali Jain)
9. Effect of Metalloporphyrins on Biochemical Development of Rat Brain.
(M.Phil., February 1989, Mr. Vijay Kumar)
10. Synthesis and Characterisation of $TiCl_4$ derivatives of and $Co(II)$ bis-chelates of some Oximes.
(M.Phil., June 1987, Mr. Rana Rajender Singh)

ADVISOR OF THE THESIS OF THE M.Sc. (BIOMEDICAL SCIENCE) FINAL YEAR STUDENTS OF ACBR:

1. RNAi in Plasmodium Falciparum using Endoribonuclease prepared SiRNAs. Mr. Vamsi K. Kodali, M.Sc (Biomedical Science) June 2003.
2. Protein-Protein interaction studies in Malaria Parasite-Plasmodium Falciparum by least two Hybrid System. Mr. Hemant, M.Sc (Biomedical Science) 2002.
3. Effects of Allicin Extract on lipids and antioxidant properties on wistar strain rats. Ms. Anubha Singh, M.Sc (Biomedical Science) 2001.
4. Synthesis and characterisation of Modified Oligonucleotides Using Maldi-Tof Mass Spectrometry. Mr. Surendra Nimesh, M.Sc (Biomedical Science) Final Year 2001
5. Effect of REM Sleep deprivation on Morphometric parameters of Hippocampal CA3 Neurons in Wistar Rats. Mr. Harish Batra, M.Sc. (Biomedical Sciences) Final Year 2001
6. Modulation of Na^+/K^+ ATPase Activity by Serotonin : Implications in REM Sleep Function. Mr. M. Sashi Kiran, M.Sc. (Biomedical Sciences) Final Year 2001
7. Changes in Protein Expression Patterns on E. Coli under Various Growth Conditions. Ms. Bhumika Singh, M.Sc. (Biomedical Sciences) Final Year 2001
8. Synthesis and Purification of Photoresponsive Oligonucleotides. Mr. Gagan Dhawan, M.Sc (Biomedical Science) Final Year 2000
9. Understanding the Molecular Mechanism of Action of Anthrax Lethal Toxin: Role of Domain III of Protective Antigen in the Activity of Anthrax Lethal Toxin
Ms. Anubha Singh, M.Sc. (Biomedical Science) Final Year 2000

ADVISOR OF THE THESIS OF THE SUMMER UNDERGRADUATE RESEARCH PROGRAM (SURP):

1. Transdermal delivery of nospapine HCl by Microemulsion
Mr. Jitender Madan, Summer Undergraduate Research Program (SURP) 2004
2. Histopathological and Protein analysis of control and polycystic ovary in female wistar rats
Mr. KulPrakash Siddharth, Summer Undergraduate Research Program (SURP) 2004
3. A Preliminary study to see the effect of nospapine on to cultured Granulosa cells of a normal and diseased rat ovary
Mr. Deepak Kumar, Summer Undergraduate Research Program (SURP) 2004

4. Synthesis of unsymmetrical thioureas using piperazine as secondary amine
Ms. Priyanka Verma, Summer Undergraduate Research Program (SURP) 2004
5. Chemical and pharmacological studies of the semipurified fractions isolated from *Ocimum Sanctum*
Mr. Hemant Bangani, Summer Undergraduate Research Program (SURP) 2003
6. Synthesis of various aryl amide derivatives of piperazine and isoleamine using benzotriazole methodology
Mr. Gaurav Sahel, Summer Undergraduate Research Program (SURP) 2003
7. Protein-Protein interaction studies in Malaria Parasite-*Plasmodium Falciparum* by least two Hybrid System.
Mr. Vamsi. K. Kodali, Summer Undergraduate Research Program (SURP) 2003
8. Synthesis and Molecular Characterization of Antisense Oligonucleotides against *gag-pol* transframe domain and *DIS* site of HIV-I genome
Ms. Suchi Midha, Summer Undergraduate Research Program (SURP) 2001
9. Xanthenes of *Canscora decussata* and their Bioactivities
Ms. ILA Joshi, Summer Undergraduate Research Program (SURP) 2001
10. Synthesis and Spectroscopic Evaluation of Affinity of Nonpeptidic CCK-B/ gastrin Receptor Antagonists for its Receptors
Ms. Neetu Kalra, Summer Undergraduate Research Program (SURP) 2001
11. Mutagenesis of Calcium Binding Residues of Anthrax Toxin Protective Antigen
Mr. Ashutosh Chaudhry, Summer Undergraduate Research Program (SURP) 2000
12. Study of the diagnostic value of ELISA for cortisol estimation in sera of endogenously depressed patients
Amandeep Kaur, Summer Undergraduate Research Program (SURP), 2000
13. Techniques in Recombinant DNA Technology
Mr. Sanjeev Prasad, Summer Undergraduate Research Program (SURP), 2000
14. Synthesis of DNA – Affinity Binding Molecules Such as Carbazole Derivatives to Understand the Topology of Drug-DNA Interaction in Designing Anticancer Chemotherapeutic Agents
Mr. Ahswani Kumar, Summer Undergraduate Research Program (SURP) 1999
15. Synthesis of 2-Amino Benzol [h] Quinazoline and DNA Binding Activity as DNA Intercalating Agents
Mr. Brahm Parkash, Summer Undergraduate Research Program (SURP) 1999
16. Towards the Detection of Proteins Responsible for Sex Specific Heterochromatization of Mealybugs
Mr. Ayaz Sayed, Summer Undergraduate Research Program (SURP) 1999
17. Immunological Alterations in Experimental Alcoholic Hepatitis
Ms. K.S. Ratna Kumari, Summer Undergraduate Research Program (SURP) 1999
18. Immunological Effect Of Carbon Tetrachloride Induced toxicity in Murine Model
Ms. P. Naga Lakshmi, Summer Undergraduate Research Program (SURP) 1999
19. Localization of the oligomerization domain of anthrax domain
Ms. Anubha Singh, Summer Undergraduate Research Program (SURP) 1999
20. To evaluate immunotoxicity of an antineoplastic agent, Noscaphine in Wistar Rats
Ms. Pankaj Sharma, Summer Undergraduate Research Program (SURP), 1998
21. A study of the noscapine – mediated alterations of lipid peroxidation and glutathione content

- in rat lung
Mr. Krishan Kumar, Summer Undergraduate Research Program (SURP), 1998
22. A Versatile Oxygen Carrying Synthetic Chelate: Cobalt Stearate Synthesis and study of oxidation of organic substances using cobalt stearate - dioxygen
Mr. Vinod Kumar V., Summer Undergraduate Research Program (SURP), 1998
23. Synthesis of 9-substituted acridine derivatives as DNA intercalating agents
Ms. Parul, Summer Undergraduate Research Program (SURP), 1998
24. Synthesis of carbazole and indolocarbazole for studying their anti cancer Activity
Ms. Anshu, Summer Undergraduate Research Program (SURP), 1998
25. A study of the effect of cryptopine, an opium alkaloid on the biotransformation enzyme system and lipid peroxidation *in vivo* in rats
Mr. Hridip K. Sarma, Summer Undergraduate Research Program (SURP), 1998
26. Effect of cryptopine on the hepatic and splenic biotransformation enzymes system and lipid peroxidation *in vivo* in rats
Mr. Arun Pradhan, Summer Undergraduate Research Program (SURP), 1998
27. SnPP (A Potential drug for neonatal jaundice) in association with gossypol alters heme metabolism
Ms. Swati Bhowmik (August, 1997) under SURP program.
28. Protoporphyrin-IX-Ethanol interaction alters heme metabolism
Ms. Ritu Jain (August, 1997) under SURP program
29. Antagonistic effect of FePP on the ethanol mediated induction of hepatic, renal and splenic δ -amino levulinic acid synthase activity *in vivo* in rats
Ms. Charu Rewal (August, 1997) under SURP program.
30. A study of differential dosage of 4-acetyl-amino-5-chloro-2-methoxy benzoic acid (Cisapride intermediate) on the regulatory enzymes of heme metabolism.
Ms. Anita (August, 1997) under SURP program.

PATENTS

1. Indian Patent No.: 245820
Patent Application No. - 1154/DEL/2001
Title: "Novel Diallyl disulphide Compounds Having Antilipidemic And Antioxidant Activity"
Manisha Tiwari, Meenakshi Sharma and **Ramesh Chandra**
Date of Filing – 16/11/2001
Date of Grant of Patent – 02/02/2011
2. Indian Patent No: 217681
Patent application No 21/DEL/2003
Title: "A process of preparing an extract of annona squamosa for treatment of diabetes"
Vibha Tandon, Geeta Watal, **Ramesh Chandra**, Rajesh kumar Gupta, Achyut Narayan Kesari,
Date of Filing-07/01/2003
Date of Grant-28/03/2008
3. Indian Patent No: 241650
Patent application No 32/DEL/2003
Title: "The process for the synthesis of bisbenzimidazoles and its derivations"
Akash Jain, Urmila Tawar, **Ramesh Chandra**, B.S. Dwarakanath, N. K. Chaudhury, Vibha.
Tandon,
Date of Filing-09/01/2003
Date of Grant-17/07/2010
4. European Patent No: 1590332 (European patent application no. 03815133.8)
(Priority Indian patent application No 32/DEL/2003 and PCT International patent application
no.PCT/IN03/00301)
Title: "The process for the synthesis of bisbenzimidazoles and its derivations"
Akash Jain, Urmila Tawar, **Ramesh Chandra**, B.S. Dwarakanath, N. K. Chaudhury, Vibha.
Tandon,
Date of Filing: 08.09.2003
Date of Grant: April 27, 2011
5. European Patent No: 1589983 (European patent application no. 03814526.4)
(Priority Indian patent application No 21/DEL/2003 and PCT International Patent Application no
PCT/IN03/00228)
Title: "A process of preparing an extract of annona squamosa for treatment of diabetes"
Vibha Tandon, Geeta Watal, **Ramesh Chandra**, Rajesh kumar Gupta, Achyut Narayan
Kesari, Date of Filing: 20.06.2003
Date of grant : EPO intention to grant issued, further pursuance would subject to quick
possibility of commercialization.
6. Patent Application No. PCT/US2008/055818
Title: "9-Chloro Noscapine and its use in treating Cancers, including Drug-Resistant Cancers".
Ramesh Chandra
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7. International Application No. - PCT/IN2003/000250
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8. "Rational Design of a Microtubule targeting Anti-Breast Cancer Drug, EM015"
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3. Post-genomic Approaches in Drug and Vaccine Development
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4. Post-genomic Approaches in Cancer and Nano Medicine
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5. R. Mankamna Kumari, Nikita Sharma, Nidhi Gupta, **Ramesh Chandra** and Surendra Nimesh **(2018)**. Synthesis and evolution of polymeric nanoparticles: Development of an improved gene delivery system. Chapter 11 in *Design and Development of New Nanocarriers*. Editor: Alexandru Mihai Grumezescu, Elsevier, William Andrew Publications. ISBN: 978-0-12-813627-0.
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2. Chugh H., Kumar P., Tomar V., Kaur N., Sood D., and **Chandra R.** (2019). Interaction of noscapine with human serum albumin (HSA): A spectroscopic and molecular modelling approach. *J. Photochem. Photobiol. A: Chem.* 372, 168-176.
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PAPERS/ ABSTRACTS IN SCIENTIFIC MEETINGS/CONFERENCE

1. Employment of Cerium-Based Catalyst in Organic Chemistry.
Ravi Tomar and **Ramesh Chandra**,
Japan-India Symposium, School of Materials Science, Japan Advanced Institute of Science and Technology, Ishikawa, Japan. 7th March, 2019 (Poster Presentation)
2. Emerging Implications of Nanoscale Based Drug Delivery Systems in Delivery and Targeting Tubulin Binding Agent, Noscapine And Its Analogs in Cancer Cells
Vartika Tomar, Ravi Tomar, **Ramesh Chandra**
Japan-India Symposium, School of Materials Science, Japan Advanced Institute of Science and Technology, Ishikawa, Japan. 7th March, 2019 (Poster Presentation)
3. Noscapine Structure-guided Potential Analogue Designing and Pharmacological Evaluation employing Chemoinformatics Approach (Oral Presentation-7)
Neeraj, Kumar, Damini, Sood, Pallavi, Jain, Garima, Pandey, Swati Sharma & **Ramesh Chandra**
Integrative Chemistry, Biology & Translational Medicine - (ICBTM), 25 & 26 February, 2019 at University of Delhi, Delhi, India
4. Large-scale flexibility analysis of protein-peptide fragments: An Advanced approach to design potential antibacterial peptide
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5. A Journey from Bench to Bedside Noscapine: Opium Alkaloid- A Potential Chemotherapeutic Agent
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6. Manufacturing blood (cells) to deal with safety and supply concerns: Tissue engineering approaches using stem cells and other essential techniques
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21. Synthesis of novel noscapine-amino acid conjugates for the potential treatment of cancer
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26. "Interaction of Noscapine with Blood Proteins".
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27. "Synthesis, In-silico and In-vitro Evaluation of Novel Noscapine based Ionic Liquids showing Potential Anticancer activity"
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28. Greener Approaches Towards Organic Transformation Using Heterogeneous Catalysis

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6th World Congress on Nanomedical Sciences ISNSCON-2018 & Chemistry Biology Interface Synergistic in New Frontiers 7-9th January 2019(Poster Presentation)
29. "An Efficient and Stereoselective synthesis of novel pyrazinopyrrole derivatives"
Nidhi Singh, Mandeep Singh, Vartika Tomar, **Ramesh Chandra**
"6th world congress on Nanomedical Sciences-ISNSCON-2018", "Chemistry-Biology Interface 2019" and "Conference on "Science and Technology for the Future of Mankind" from 7th-9th January, 2019 at Vigyan Bhawan, New Delhi. (Poster Presentation)
30. "Synthesis and Characterization of 1,3-Benzodioxole-MIM/Py Ionic liquids with their anticancer activity on various cell lines."
Hitesh Sehrawat, Ravi Tomar, Vartika Tomar, **Ramesh Chandra**
"Thieme Chemistry: Science of Synthesis", Department of Chemistry, University of Delhi, September 28th, 2018 [Poster Presentation]
31. "Interaction of Noscapine with Blood Proteins".
Heerak Chugh, Pramod Kumar, Navrinder Kaur, Vartika Tomar and **Ramesh Chandra**.
'National Conference on Science of Synthesis' powered by Theime Publication house held on 28th September 2018. Department of Chemistry, University of Delhi, India.
32. "Exploration of the Interaction between the Anti-cancer Drug Noscapine-Hcl and Human Serum Albumin".
Heerak Chugh, Pramod Kumar, Navrinder Kaur, Vartika Tomar and **Ramesh Chandra**.
ACS on Campus held on 5th February, 2018 at Department of Chemistry, University of Delhi, India.
33. Aza-Bambusurils En Route to Anion Transporters
Mandeep Singh, Ephrath Solel, Ehud Keinan, Ofer Reany, S M S Chauhan, **Ramesh Chandra**
International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), during 12th – 14th January, University of Delhi, Delhi (2018).
34. Ce-Bearing Solid Base Catalyst: Synthesis, Characterization and its Application in Suzuki-Miyaura Reaction
Nidhi Singh, Vartika Tomar and **Ramesh Chandra**
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35. Biomarker Discovery in Drug Development with an emphasis on LiverToxicogenomics: Bench to Bedside Paradigms Employing Zebrafish
Navrinder Kaur and **Ramesh Chandra**
International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), during 12th – 14th January, University of Delhi, Delhi (2018).
36. Application of chitosan coated magnetic nanoparticles as an efficient drug delivery system for Noscapine
Damini Sood, Vartika Tomar and **Ramesh Chandra**
International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), during 12th – 14th January, University of Delhi, Delhi (2018).
37. Development of Cerium-Bearing Heterogeneous catalyst: Application in Organic Chemistry
Ravi Tomar, VartikaTomar and **Ramesh Chandra**
Emerging Trends in Drugs Development and Natural-Products, Department of Chemistry, University of Delhi, January 12-14th 2018, [Oral Presentation]
38. Exploration of the Interaction between the Anti-cancer Drug Noscapine-Hcl and Human Serum Albumin Heerak Chugh, Vartika Tomar, Pramod Kumar, Harish Joshi, **Ramesh Chandra**
International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), during 12th – 14th January, University of Delhi, Delhi (2018).
39. "Synthesis and Characterization of Ionic Liquids with Various Applications"
Hitesh Sehrawat• Ravi Tomar• Vartika Tomar• Ramesh Chandra

“Emerging Trends in Drugs Development and Natural-Products”, Department of Chemistry, University of Delhi, 12 th-14th January, 2018 [Poster Presentation]

40. Synthesis and Characterization of Ce-Bearing Solid Base Catalyst and its Application in Suzuki-Miyaura Reaction
Nidhi Singh, Ravi Tomar, Vartika Tomar and **Ramesh Chandra**
Indo-Hunrian Symposium on Recent Advantages in Chemistry and Biology, Miranda House, University of Delhi on 11th December (2017).
41. Synthesis and Characterization of Ce-Bearing Solid Base Catalyst and its Application in Henry Reaction
Ravi Tomar, Vartika Tomar and **Ramesh Chandra**
Indo-Hunrian Symposium on Recent Advantages in Chemistry and Biology, Miranda House, University of Delhi on 11th December (2017).
42. Synthesis and Characterization of Ce-Bearing Solid Base Catalyst and its Application in Suzuki-Miyaura Reaction
Garima Rathee, Ravi Tomar, Vartika Tomar and **Ramesh Chandra**
Indo-Hunrian Symposium on Recent Advantages in Chemistry and Biology, Miranda House, University of Delhi on 11th December (2017).
43. Metabolism of Anticancer Agent Noscapine and Analogs
Vartika Tomar, **Ramesh Chandra** and Satya Prakash
60th Anniversary of Artificial Cells in conjugation with XVI ISBS Int. Symposium Blood Substitutes & Oxygen Therapeutics V ISNS Nanomedicine Conference 13-15th November, 2017, Montreal, Qubec, Canada (2017).
44. “A Chemical approach towards an innovative anti-cancer drug”
Ravi Tomar, Ishita Chandra, **Ramesh Chandra**
23rd Annual Convention of Chemists 2016 (National Conference), GITAM University, Visakhapatnam, Andhra Pradesh, India, December 27-29, 2016. [Poster Presentation]
45. Noscapine: A New Cancer Therapeutic Agent
Vartika Tomar and **Ramesh Chandra**
Gordon Research Conference on Natural Products and Bioactive Compounds, Proctor Academy in Andover, New Hamshire, USA. July-August, (2016)
46. Noscapinoids: New Cancer Therapeutics
Vartika Tomar and **Ramesh Chandra**
International Conference on Obesity and Chronic Disease, Las Vegas, Newada, USA, July, (2016)
47. “New Insight for Synthetic Elaboration of Noscapine and Its Derivatives as Anticancer Drug”
Ravi Tomar, Akhilesh K. Verma, **Ramesh Chandra**
Du-JAIST Indo-Japan Symposium on chemistry of Functional Molecules/Materials. February 26-27, 2016. [Poster Presentation]
48. Metabolism of Noscapine and Its Analogues
Vartika Tomar and **Ramesh Chandra**
Gordon Research Conference on Drug Metabolism, Holderness School, Holderness, New Hamshire, USA. July, (2015)
49. New Insight for Synthetic Elaboartion of Noscapine and its Derivatives as anticancer Drugs
Ravi Tomar, Akhilesh Kumar Verma and **Ramesh Chandra**
International conference on Nacent Development in Chemical Sciences: Opportunities for Academia-Industry Collaboration (NDCS-2015),Pilani, Rajasthan, India. October 16-18, (2015)
50. Identification of SFPQ as novel interacting partner of HIV-1 Integrase and its functional characterization
Souvik Sur, Nirpendra Singh, Navrinder Kaur, Atul Ranjan, Braham Parkash, **Ramesh Chandra**, and Vibha Tandon
BMC Infect Dis. 2012; 12(Suppl 1): P80. Published online 2012 May 4. doi:10.1186/1471-2334-

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20-22 January 2012, Chennai, India

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Ramesh Chandra
Pharm Anal Acta 3:1, 2012 doi: <http://dx.doi.org/10.4172/2153-2435.S1.08>
2nd International Conference on Pharmaceutics & Novel Drug Delivery Systems
20-22 February 2012 San Francisco Airport Marriott Waterfront, USA
52. Novel ABA type gold copolymer nanoparticles: PNIPAAm-b-PU-b-PNIPAAm tri-block nanopolymer as reducing and stabilizing agent.
Singh P, Verma H, Kumar C, Kumari K, Mehrotra GK, **Chandra R**, & Tharanikkarrasu K.
AIP Conference Proceedings 1461, 246, 2012.
53. Noscapine loaded Nanoparticles: A Promising therapy for Cancer
Ramesh Chandra, Prashant Singh and Pradeep Kumar
16th International Biomedical Science and Technology Symposium, Istanbul, Turkey, September, 28-October, 2, 2010
54. Noscapine loaded Nanoparticles: A Promising therapy for Cancer
Ramesh Chandra, Prashant Singh and Pradeep Kumar
2nd World Congress, International Academy of Science, Antalya, Turkey, 3-6 October, 2010
55. Green ICT Empowering Rural India
Ramesh Chandra
Organized at Rajiv Gandhi Institute of Information Technology, Amethi Tikermafi, Amethi (Allahabad) and Indian Institute of Information technology Allahabad (IIIT-A), India 20-21 August, 2010
56. Modulatory effects of cinnamaldehyde on stimulation of glucose uptake in 3T3-L1 cells and improvement in the altered key enzyme activity and expression of carbohydrate metabolism
P. Anand, P. S. Murthy and **Ramesh Chandra**
Gordan Research Conference-Natural Products held in Tilton school, Tilton, NH, USA, 26th – 31st July (2009)
57. Insulinotropic effect of AEBN improves glucose homeostasis in streptozotocin induced diabetic rats by reversing the altered glycolytic, gluconeogenic enzymes and tissue glycogen content
P. Anand, P. S. Murthy and **Ramesh Chandra**
ISN Nexus symposium-Diabetse and the Kidney held in Dublin, Ireland, 26th – 29th June (2009)
58. Noscapine in betacyclodextrin offer better solubility and improved pharmacokinetics.
Madan J, Sardana S, Katyal A, **Chandra R**.
61st Indian Pharmaceutical Congress, 11-13 Dec, 2009, Ahmedabad, India.
59. Role of Metalloporphyrin in modulating malaria induced hemolytic anemia in mouse model
Aparajita Negi, Dhirandera Sharma, Sujata K. Dass, Anju Katyal and **Ramesh Chandra**
Gordon Research Conference, Biology of: Host Parasite Interactions held at Salve Regina University, Rhode Island, USA, in June (2008)
60. In vivo effect of AETC on the activity and expression of key regulatory enzymes of glycolysis, gluconeogenesis and distribution of glucose transporter (GLUT4) in streptozotocin induced diabetic rats
P. Anand, P. S. Murthy and **Ramesh Chandra**
ACBR 34th Annual conference held at Indian Habitat Centre, Delhi from 15th –20th December (2007)
61. Release kinetic profile of noscapine, a novel anticancer agent encapsulated in bioadhesive polymeric nanoparticles for management of bladder cancer: In vitro characterization.
Madan J, Dhiman N, Katyal A, Sardana S, **Chandra R**.
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Y.K. Murali, P. Anand, V. Tandon, **Ramesh Chandra** and P.S. Murthy
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63. Noscapine, a novel microtubule interfering anticancer agent encapsulated in bioadhesive polymeric nanoparticles for management of urinary bladder cancer: in vitro characterization.
Madan J, Dhiman N, Katyal A, Sardana S, **Chandra R.**
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64. Design of nanoparticles and microparticles systems for site specific delivery of noscapine, a novel anticancer agent. Evaluation of various process variables.
Madan J, Katyal A, Dhiman N, Sardana S, **Chandra R.**
Indo-US symposium on Nanotechnology in Advanced Drug Delivery. October 4-6, 2006, NIPER, Mohali (Panjab), India.
65. Effect of AETC on the key regulatory enzymes of carbohydrate metabolism in streptozotocin induced diabetic rats.
Y.K. Murali, P. Anand, V. Tandon, **Ramesh Chandra** and P.S. Murthy
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66. Microencapsulation of noscapine in biodegradable microspheres: evaluation of process variables.
Madan J, Katyal A, Sardana S, **Chandra R.**
57th Indian Pharmaceutical Congress. Dec 2-4, 2005, Hyderabad, India
67. On the Antidiabetic Effect of *Cinnamomum zeylanicum* and *Terminalia chebula* in Experimental Diabetes.
Y.K. Murali, P. Anand, V. Tandon, **Ramesh Chandra** and P.S. Murthy
International Conference on Chemistry Biology Interface: Synergistic New Frontiers (CBISNF-2004) New Delhi 21st –26th Nov. (2004)
68. Free Radical Mediated Oxidative DNA Cleavage by *Mycobacterium Tuberculosis* Nucleoside Diphosphate Kinase.
Adesh Saini, Kapil maithal, **Ramesh Chandra**, Yogendra Singh and Vibha Tandon
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)
69. Transdermal delivery of noscapine hydrochloride by microemulsion.
Madan J, Katyal A, Sardana S, **Chandra R.**
International Conference on chemistry and biology interface: Synergistic new frontiers, Nov. 21-26, 2004, Vigyan Bhawan, New Delhi, India.
70. Identification and Characterization of the Active Principles of *Asparagus Racemosus* and an Evaluation of their Anticarcinogenic Activity in an Anila Model
Alka Agarwal, N.N. Ghosh, Manisha Tiwari and **Ramesh Chandra**
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)
71. Novel Synthesis of 1-Substituted-1,2,3,4-Tetrahydropyrazino{1,2,-A} Indoles via Intramolecular Friedel Craft Reaction
Akhilesh Verma, Devender Singh, Rakesh Tiwari, Parminder Kaur, Jaspal Singh and Ramesh Chandra
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)
72. Transdermal Delivery of Noscapine Hydrochloride by Microemulsion
Jitender Madan, Anju Katyal. S. Sardana and **Ramesh Chandra**
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)
73. Euglycemic and Hypolipidemic Effect of 1,2,3,4-Tetrahydroquinoxalin-2-One Based

Thiazolidinediones

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October, Vigyan Bhavan, New Delhi (2004)
74. One Pot Synthesis of 4,5-Dihydropyrrolo[1,2-A] Quinoxaline and 5,6-Dihydroindolo [1,2-A] Quinoxalines
Akhilesh Verma, Parminder kaur, Jaspal Singh, Rakesh Tiwari and **Ramesh Chandra**
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26
October, Vigyan Bhavan, New Delhi (2004)
75. An Efficient Synthesis of Mono and Disubstituted Piperazine Derivatives Using Benzotriazole Methodology
Akhilesh Verma, Preeti Chaudhary, Rupesh Kumar and **Ramesh Chandra**
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26
October, Vigyan Bhavan, New Delhi (2004)
76. An Efficient Synthesis of 1,2-Disubstituted-6,7-Dimethoxy-1,2,3,4-Tetrahydroisoquinolines
Akhilesh Verma, Rakesh Tiwari, Parminder Kaur, Devender Singh and **Ramesh Chandra**
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26
October, Vigyan Bhavan, New Delhi (2004)
77. A Detailed Evaluation of the Lipid Lowering Activity and the Mechanism of Action of a New Class of Sulphur Containing Compounds
Santosh Rai, Meenakshi Shamra, Ritu Aneja, Manisha Tiwari and **Ramesh Chandra**
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26
October, Vigyan Bhavan, New Delhi (2004)
78. Homology Modelling of Anti-Apoptotic Protein BCL-2
Gurudutta G., Yogesh Verma, Vimal Kishore, Pallavi Gupta, H. G. Raj and **Ramesh Chandra**
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26
October, Vigyan Bhavan, New Delhi (2004)
79. Structural Conservation of BH1 and BH2 Domains in BCL-2 Family of Proteins
Gurudutta G., Yogesh Sharma, Vimal Kishor, H.G. Raj, **Ramesh Chandra** and R. K. Sharma
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26
October, Vigyan Bhavan, New Delhi (2004)
80. Management of Pre-Cancerous Polycystic Ovary Syndrome by Noscapine: A Promising Anticancer Agent
Anjali Priyadarshani, Anju Katyal, Ritu Aneja, Harish Joshi and **Ramesh Chandra**
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26
October, Vigyan Bhavan, New Delhi (2004)
81. A Laboratory Based Method for genomic Characterization of *Mycobacterium Avium* Interclaire Complex (MAC)
R.P. Tiwari, Dileep Tiwari, **Ramesh Chandra**, and P.S. Bisen
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26
October, Vigyan Bhavan, New Delhi (2004)
82. Targeted Activation of Transcription *in vivo* Through Hairpin-TFO in *S. Cerevisiae*
Mrinal Kanti Ghosh, Anju Katyal, **Ramesh Chandra** and Vani Brahmachari
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26
October, Vigyan Bhavan, New Delhi (2004)
83. Stem Cell Fate Specification by Master Regulatory Switch Driving Differential Hematopoiesis: Transcription Factor PU.1
Pallavi Gupta, Gurudutta G., Daman Saluja, T. Ravindranath, **Ramesh Chandra** and R.K. Sharma
International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26
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84. Synthesis and Evaluation of a Novel DOTA-AA to Label Biological Vectors for Targeted Radiodiagnosis and Therapy
Puja Panwar, Vibha Srivastava, **Ramesh Chandra** and Anil Mishra
International Conference on 'Chemistry Biology Interface: Synergistic New Frontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)
85. Synthesis of Novel Diethyl 1,4-Dihydro-2,6-Dimethyl-4-[6-Chloro-1,3-DI (4-Methoxy Phenyl)-2-Thiouracil / 5-Chloro-2-Methyl-1-Phenyl-1H-Pyrazole]-3,5-Pridine Dicarboxylates
Rakesh Kumar, Anil Teotia and **Ramesh Chandra**
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86. Efficacy of a bispecific Antibody Specific to HIV-1 Protease and P24 in the Reduction of the Progression of HIV-1 Infection
Sanjay Singh, Dileep Tiwari, **Ramesh Chandra** and P. S. Bisen
International Conference on 'Chemistry Biology Interface: Synergistic New Frontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)
87. Molecular Simulation of Structural Events Involved in Stem Cell Factor Receptor (C-Kit) Interactions Responsible for Signaling in Stem Cells
Gurudutta, G., Soumya Pati, **Ramesh Chandra** and R. K. Sharma
International Conference on 'Chemistry Biology Interface: Synergistic New Frontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)
88. Stem Cell Survival Regulation: An Inducible Role for Structurally Different Bcl-2 functional Variants and Its Potential Implications in Human Hematopoietic Reconstruction by Gene Therapy
Gurudutta G., Yogesh Verma, Pallavi Gupta, H. G. Raj, **Ramesh Chandra** and R. K. Sharma
International Conference on 'Chemistry Biology Interface: Synergistic New Frontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)
89. Mechanism of Hepatoprotective Activity of Aqueous Ethanolic Extracts of Chamomile Inflorescence
Ajay Gupta, **Ramesh Chandra** and Neelam Misra
International Conference on 'Chemistry Biology Interface: Synergistic New Frontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)
90. Preliminary Studies on the Antidiabetic Effect of *Cinnamomum Zeylanicum* and *Terminalia Chebula* on Experimental Diabetes
Prachi A., Murali K.Y., Murthy P.S., Vibha Tandon and **Ramesh Chandra**
International Conference on 'Chemistry Biology Interface: Synergistic New Frontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)
91. Noscipine, an Opium Alkaloid: Implications of Polycystic Ovary Syndrome
Anjali Priyadarshani, Sujarata K Dass, Ritu Aneja, Anju Katyal, Brij B Saxena and **Ramesh Chandra**
International Conference on Recent Advances in Biomedical and Therapeutic Sciences Bundelkhand University, 13-15 January, Jhansi (2004)
92. Management of Biomedical Waste for Health, Safety and Environmental Quality
Hergovind Singh, Anil K Gupta, M Yunus and **Ramesh Chandra**
International Conference on Recent Advances in Biomedical and Therapeutic Sciences Bundelkhand University, 13-15 January, Jhansi (2004)
93. The Redox Delivery system: A Prodrug approach for brain specific sustained release.
K.P. Namdeo, Ramesh Chandra and S. K. Shrivastava
International Conference on Recent Advances in Biomedical and Therapeutic Sciences Bundelkhand University, 13-15 January, Jhansi (2004)
94. Evaluation of diagnostic and prognostic value of nested-Polymerase Chain Reaction in the reactivation of Cytomegalovirus infection in Renal Transplant Recipients
Niti Singh, Sarman Singh, P S Bisen and **Ramesh Chandra**
International Conference on Recent Advances in Biomedical and Therapeutic Sciences

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95. Hypoglycemic and Antidiabetic Effect of Aqueous Extract of Leaves of *Annona squamosa* (L.) in Experimental Animals (wistar rats and albino rabbits)
R. K. Gupta, A.N. Kashri, Geeta Watal, P.S. Murthy, **Ramesh Chandra**, Kapil Maithai and Vibha Tandon
International Conference on Recent Advances in Biomedical and Therapeutic Sciences
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96. Confirmation of ocular insulin bearing reverse micelles formation.
K. Rai, **Ramesh Chandra** and S.K. Jain
International Conference on Recent Advances in Biomedical and Therapeutic Sciences
Bundelkhand University, 13-15 January, Jhansi (2004)
97. Heme oxygenase-1 induction: A preventive mechanism against carbon tetrachloride – induced acute liver injury.
Jagdish Chander, **Ramesh Chandra**, Ritu Aneja and Rakesh Tiwari.
International Conference on Recent Advances in Biomedical and Therapeutic Sciences
Bundelkhand University, 13-15 January, Jhansi (2004)
98. Preliminary Studies on Acute and Chronic Toxicity of *Calotropis Gigantea* in Experimental Animals.
H. R. Chitme, **Ramesh Chandra** and Sadhna Kaushik.
International Conference on Recent Advances in Biomedical and Therapeutic Sciences
Bundelkhand University, 13-15 January, Jhansi (2004)
99. Dynamics of the Splenic T Cell subsets in Nifedipine treated, *P. berghei* infected BALB/c mice.
Karni S Moshal, Anju Katyal, Unnikrishnan Nair R, J.S. Adhikari and **Ramesh Chandra**.
International Conference on Recent Advances in Biomedical and Therapeutic Sciences
Bundelkhand University, 13-15 January, Jhansi (2004)
100. In-vitro antioxidant activity of Ethanolic extract of *Striga orobanchioides*
Mahesh Kumar Gupta, Shrishailappa Badami, Suresh B, P.K. Sharma and **Ramesh Chandra**
International Conference on Recent Advances in Biomedical and Therapeutic Sciences
Bundelkhand University, 13-15 January, Jhansi (2004)
101. Antioxidant Effect of 1-oxo-5b, 6b-epoxy with a-2-ene-27 "ethoxy-olide and 1-oxo-5b, 6b-epoxy-witha-2- enolide isolated from the roots of *withania somnifera* and its Mechanism of Action in Enhanced Trehalose synthesis.
Manisha Tiwari, Sujata K Dass, Parvinder Kaur, Meenakshi Sharma, Narendra N Ghosh, Kaushal K Srivastava and **Ramesh Chandra**
International Conference on Recent Advances in Biomedical and Therapeutic Sciences
Bundelkhand University, 13-15 January, Jhansi (2004)
102. Differential response of *Catharanthus roseus* genotypes to long-term salinity stress in relation to antioxidant activity osmolyte concentration and alkaloid accumulation.
Neelam Misra, Ajay Kumar Gupta and **Ramesh Chandra**
International Conference on Recent Advances in Biomedical and Therapeutic Sciences
Bundelkhand University, 13-15 January, Jhansi (2004)
103. The evolution of Heme oxygenase oxygenase protein: A phylogenetic analysis.
Ritu Aneja, Anita Talwar, Anju Katyal and **Ramesh Chandra**
International Conference on Recent Advances in Biomedical and Therapeutic Sciences
Bundelkhand University, 13-15 January, Jhansi (2004)
104. Antidiabetic activity of *Vitex negundo*
S. K. Jain, **Ramesh Chandra** and Sadhna Kaushik
International Conference on Recent Advances in Biomedical and Therapeutic Sciences
Bundelkhand University, 13-15 January, Jhansi (2004)
105. Detoxification of Organochlorine Pesticides through Bioremediation Approach to Safer Environment.

- Shweta Meher, Anil K. Gupta, Amit Pal and **Ramesh Chandra**
International Conference on Recent Advances in Biomedical and Therapeutic Sciences
Bundelkhand University, 13-15 January, Jhansi (2004)
106. Synthesis of N-Alkyl and N-Aryl Piperazine Analogues by using Benzotriazole Methodology.
Akhilesh Verma, Rupesh Kumar, Preeti Chaudhary and **Ramesh Chandra**
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107. Design and Structural analysis of harpin-TFO for transcriptional Activation
Mrinal Kanti Ghosh, Vani Brahmachari and Ramesh Chandra
Nucleosides, Nucleotides and Nucleic Acids, 22, 5-8, (2003)
108. Noscaphine derivatives as potent microtubule-interfering agents that perturb mitosis and induce apoptosis
Zhou J, Gupta K, Aggarwal S, Aneja R, **Chandra R**, Panda D and Joshi HC
42nd Annual meeting for the American Society for Cell Biology, San Francisco, California, Dec 14-18, (2002)
109. Enantiometric separation of Mandelic acid and its analogs on a chiral stationary phase derived from 4-(3,5-Dinitrobenzamido) tetrahydrophenanthrene System
Ritu Aneja, Pratibha M. Luthra and **Ramesh Chandra**
National Conference on Emerging Areas in Biomedical Sciences Bundelkhand University, 28th-30th December, Jhansi (2002)
110. Folate Uptake in Surface Colonocytes Occurs Via Dual Pathways That Regulate pH
Ritu Aneja, Satish K. Singh and **Ramesh Chandra**
National Conference on Emerging Areas in Biomedical Sciences Bundelkhand University, 28th-30th December, Jhansi (2002)
111. Hypoglycemic Activity Evaluation of Heterocyclic Compounds Synthesized by the Reaction of 2,4-Thiazolidinedione with substituted O-Phenylendiamines
Dipti Gupta, N. N. Ghosh, Sulekh Chandra and **Ramesh Chandra**
National Conference on Emerging Areas in Biomedical Sciences Bundelkhand University, 28th-30th December, Jhansi (2002)
112. Effect of Differential Dosing of Noscaphine and its Analogs on Lipid Peroxidation and Glutathione Related Enzyme System *in vivo* in Rats
Shefali Aggarwal, Ritu Aneja, N. N. Ghosh and **Ramesh Chandra** National Conference on Emerging Areas in Biomedical Sciences Bundelkhand University, 28th-30th December, Jhansi (2002)
113. Synthesis and Antispasmodic Activity Evaluation of Bis-(Papaverine) Analogues
Jaskiran Kaur, N. N. Ghosh and **Ramesh Chandra**
National Conference on Emerging Areas in Biomedical Sciences Bundelkhand University, 28th-30th December, Jhansi (2002)
114. Synthesis and Investigation of Mass Spectral Studies on Aryl Substituted N- Carbamoyl. Thiocarbamoyl Narcotine
Pitton 2002, March 17-22, New Orleans, LA, USA, (2002)
115. Polymanies Mediated Cleavage of Oligodeoxyribonucleotides from Universal Polymer Supports and Their Deprotection
P. Kumar, G. Dhawan, **R. Chandra** and K. C. Gupta
Annual Symposium in Biomedical Sciences, Delhi, April 13-14, (2001)
116. Synthesis of Dihydropyridines: As Biocatalyst
Rakesh Kumar, Anil K. Teotia and **Ramesh Chandra**
Annual Symposium in Biomedical Sciences, Delhi, April 13-14, (2001)
117. Studies on Antibacterial Activity of Sesuiterpenoids from Rhizome of *Curcuma Longa*
Rambir Singh, **Ramesh Chandra**, Mridula Bose and Pratibha Mehta Luthra

Annual Symposium in Biomedical Sciences, Delhi, April 13-14, (2001)

118. Targeted Activation of Transcription by Recruitment of gal4 through Triplex Forming Oligonucleotide in Yeast
Mrinal Kanti Ghosh, Anju Katyal, Vani Brahmachari and **Ramesh Chandra**
Annual Symposium in Biomedical Sciences, Delhi, April 13-14, (2001)
119. Effect of Active Principles of *Withania Somnifera* on Anti-stress Activity in Animal Models
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227. VO(IV), Zr(IV), Hf(IV) and UO₂ complexes of planar pentadentate ligands.
Ramesh Chandra, S.K.Sahni and R.N.Kapoor
 Proc. Convention of Chemists, ING.10, 2-48, (1979).

SYMPOSIUM /SEMINARS/ INTERNATIONAL CONFERENCES ORGANIZED:

President	ISNSCON 2018 - 6th World Congress on Nanomedical Sciences, held at Vigyan Bhavan, New Delhi, during 7 th -10 th January, 2019.
Chairman	International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), during 12 th – 14 th January, 2018, University of Delhi, Delhi.
Co-Chairman	International Conference on translational Medicine in 21 st century: Stem Cell Transplantation:Current satus”, during 11 th – 14 th April, 2015, Baraktullah University, Bhopal
Member	International Advisory Board in 16 th International Biomedical science and Technology Symposium held in Istanbul, Turkey, 28-30 October, 2010-onwards
Secretary	Interantional Conference of Forum of Scientist from South and South East Asia on “Capacity Building in Science & Technology, Policy Perspective Opportunities and Challenges in the Context of Globalization” Organized by Zaheer Foundation in Colloboration with INSA and Supported by UNESCO, Ministry of HRD & Ministry of Science and Technology, Govt. of India, ISSESCO, November 27-29, 2007
Chairman -	International Conference on ‘Chemistry Biology Interface: Synergistic New Frontiers’, November 21-26, 2004, Vigyan Bhavan, New Delhi (Organized by ACBR).
Chairman -	V Annual Symposium on Frontiers in Biomedical Research, New Delhi, April 14-16, 2004 Organized by ACBR
Chairman -	International Conference on Recent Advances in Biomedical and Therapeutic Sciences organised jointly by Institute of Biomedical Sciences and Vaidya Ram Narain Sharma Institute of Ayurveda and Alternate Medical Education & Research, Bundelkhand University, Jhansi and Erasmus MC University Medical Center, Rotterdam, The Netherlands, January 13-15, 2004
Chairman -	40 th Annual Convention of Chemists (Annual Meet of Indian Chemical Society) held at Bundelkhand University, Jhansi, December 23-27, 2003
Chairman -	IV Annual Symposium on Frontiers in Biomedical Sciences, organised by University of Delhi, Delhi, April 13-15, 2003
Chairman -	Seminar on ‘National Conference on Emerging Areas in Biomedical Sciences’ Bundelkhand University, Jhansi and Dr. B.R.Ambedkar Center for Biomedical Research, December 28-30, 2002
Chairperson-	Annual Symposium in Biomedical Science Dr. B.R.Ambedkar Center for Biomedical Research, April 14-16, 2003. University of Delhi, Delhi - 110 007, India.
	Seminar on ‘Annual Symposium in Biomedical Sciences’ Dr. B.R.Ambedkar Center for Biomedical Research, April 11-12, 2002. University of Delhi, Delhi - 110 007, India.
Chairperson-	Seminar on ‘Annual Symposium in Biomedical Sciences’ Dr. B.R.Ambedkar Center for Biomedical Research, April 13-14, 2001 University of Delhi, Delhi - 110 007, India.
Chairperson-	Workshop on ‘ Techniques in Recombinant DNA Technology’ Dr. B.R.Ambedkar Center for Biomedical Research, April 13-14, 2000 University of Delhi, Delhi - 110 007, India.
Chairperson -	Indian Chemical Society Sponsored Seminar on ‘ Drug Discovery Research’ Dr. B.R.Ambedkar Center for Biomedical Research, December 17, 1998,

	University of Delhi, Delhi - 110 007, India.
Chairperson-	Seminar on 'Current Status of Oral and Implantable Contraceptive Agents' Dr. B.R.Ambedkar Center for Biomedical Research October 31-November 1, 1998, University of Delhi, Delhi - 110 007, India.
Chairperson-	'STN Seminar' (Scientific and Technical Online Information Network) Dr. B.R.Ambedkar Center for Biomedical Research Sept. 18-19, 1998, University of Delhi, Delhi - 110 007, India.
Chairperson-	Seminar on 'Hyphenated Techniques for Chemical Analysis', Dr. B.R.Ambedkar Center for Biomedical Research, April 25, 1998 University of Delhi, Delhi - 110 007, India.
Chairperson-	Symposium on 'Frontiers in Biomedical Research', Dr. B.R.Ambedkar Center for Biomedical Research, March 31-April 2, 1998 University of Delhi, Delhi - 110 007, India.
Convenor-	Local Organizing Committee, 34 th Annual Convention of Chemists, Indian Chemical Society Dr. B.R.Ambedkar Center for Biomedical Research, December 17-20, 1997 University of Delhi, Delhi - 110 007, India.
Chairperson-	International Seminar on Interface between Chemistry and Biology, January 1 st , 1997, Delhi, India.
Chairperson-	International Conference on Current Trends in Chemical and Experimental Lung Research, November 20-22, 1996, Department of Chemistry, University of Delhi, Delhi – 110 007, India.
Secretary-	International Conference on Current Trends in Chemical Research, January 5-7, 1991, Delhi, India.
Secretary-	National Seminar on Dr. Ambedkar, Science and Society held at NPL, March 7-8, 1991, New Delhi, India.
Member-	IUPAC-NOST International Symposium on Enzymes in Organic Synthesis, January 6-9, Org. Comm 1992, New Delhi, India.

Research Projects (Major Grants/Research Collaboration)

1. Design of Novel Fluorinating Reagent: Application in the synthesis of Fluorinated organic molecules. Funded by DRDO under ARMREB. Amount - Rs. 40 lakhs on 31st December, 2018.
2. Synthesis and Characterization of Eco-friendly Gold supported LDH catalyst, application in Synthesis of Organic Compounds. Funded by- Science and Engineering Research Board (SERB), DST (Amount- 49,61,440/-) during 2016-2019. Principal Investigator- Prof. Ramesh Chandra. during 2016-2019
3. Identification Of 5-Hydroxymethylcytosine Markers and Design of Epigenetic drugs for Head and Neck Carcinomas. Funded by- Science and Engineering Research Board (SERB), DST during 2016-2019. Principal Investigator- Prof. Ramesh Chandra, Co-Principal Investigator(I)- Dr. Uma Dhawan, Co-Principal Investigator (II)- Dr. Gagan Dhawan.
4. Synthesis and Biological Evaluation of a Novel Class of Anti-tumor drugs based upon the natural alkaloid noscapine. Funded by- Council of Scientific Research and Industrial Research (CSIR). (Amount-29,76,540/-) during 2016-2019. Principal Investigator- Prof. Ramesh Chandra.
5. Design, synthesis and biological screening of chiral pyrazinoindoles and pyrazinopyrroles as potential antibacterial agent. Funded by- Science and Engineering Research Board (SERB), DST. during 2016-2019 (Amount – 43,26,000). Principal Investigator- Prof. Ramesh Chandra.
6. Development of Tubulin binding Novel Noscapine Derivatives and their Nanoparticles for the Potential Treatment of Cancer and Drugs Resistant Cancer. Funded by the Research & development scheme 2015-2016, University of Delhi. (Rs.3,00,000)
7. Nanomedicine nanotechnology cancer research initiative. International Nanotechnology Collaboration (PI). Funded by Quebec Ministry of Economic, Innovation and Exportation (MDEIE) of Can. \$ 69,000.00 during 2007-2009
8. Evaluation of a novel tubulin-binding noscapinoid, 9-bromo-noscapine for the management of hormone responsive and refractory breast cancers *. Funded by Indian Council of Medical Research, 2007 (Amount Rs. 10, 50, 000/-) Principal Investigator: Prof. Ramesh Chandra
9. Treatment of Hormone and Drug Sensitive and Refractory Human Breast Tumors by Augmentation of Specific Apoptosis by 9-Br-Noscapine and its Novel Analogs *. Funded by Department of Science and Technology, 2007 (Amount Rs. 8, 70, 000/-) Principal Investigator: Prof. Ramesh Chandra Co-Principal Investigator: Prof. Harish Joshi, USA
10. Commercial production of Bijasal (Pterocarpus Marsupium Roxb.)- An Endangered Medicinal Leguminous Tree Funded by Indian Council of Medical Research, 2007 (Amount Rs. 4, 11, 768) Principal Investigator: Prof. Ramesh Chandra & Co-PI: Dr. S. C. Gupta
11. UGC Assistance to ACBR under SAP I for Drug Discovery & Development Coordinator: Prof. Ramesh Chandra & Co-Coordinator: Dr. Vibha Tandon Funded by University Grant Commission, 2007-2012 (Amount Rs. 39, 00, 000/-)
12. Human Resource Development for Biomedical Research (Catch Them Young) Funded by Council of Scientific and Industrial Research, 2000-2009 (Amount Rs. 7,00, 000/- per annum,) Principal Investigator: Prof. Ramesh Chandra & Co-PI: Dr. Y. Singh
13. Biochemical investigations on antidiabetic effect of Brassica Nigra. Funded by Indian Council of Medical Research, 2006 (Amount Rs. 12, 00, 000/-) Principal Investigator: Prof. Ramesh Chandra
14. Drug Discovery and Development in Biomedical Sciences (Under Innovative Program) Funded by University Grant Commission, 2005 (Amount Rs. 39,75, 000/-) Coordinator: Prof. Ramesh Chandra
15. Molecular Mechanism of acetoxy drug: Protein trans-acetylase catalyzed activation of smooth

- muscle nitric oxide synthase by polyphenolic peracetates * Funded by Defence Research and Development Organization,2005 (Amount Rs. 9, 57, 500/-) Principal Investigator: Prof. Ramesh Chandra Co-Principal Investigator: Prof. H.G. Raj
16. A search for some new anti-tumor drugs based upon the natural alkaloid – Noscapine *. Funded by Department of Science and Technology, 2005(Amount Rs. 68, 40, 000/-) Principal Investigator: Prof. Ramesh Chandra.
 17. Identification and Characterization of antidiabetic compounds from *Annona Squamosa* and *Ocimum sanctum* Funded by Indian Council of Medical Research, 2005(Amount: Rs. 5,28,318/-) Principal Investigator: Prof. Ramesh Chandra & Co- Principal Investigator: Dr. Vibha Tandon
 18. Teaching & Research in Interdisciplinary and Emerging Area Funded by University Grants Commission, 2005(Amount: 39,75.000/-) Principal Investigator: Prof. Ramesh Chandra
 19. Establishment of High Resolution NMR Central Facility for Biomedical Research Funded by Department of Science and Technology, Amount: Rs. 95,00,000/-, 2004) Principal Investigator: Prof. Ramesh Chandra Co- Principal Investigator: Dr. Vibha Tandon
 20. Establishment of Liquid Chromatograph-Mass Spectrometer (LC-MS-MS) (Funded by Department of Science and Technology, Amount: Rs. 75,00,000/-, 2003) Principal Investigator: Prof. Ramesh Chandra
 21. Design and synthesis of mimic of the dihydropyridine calcium channel modulator and synthesis of piperidine derivatives such as Azasgars (Funded by Indian Council of Medical Research, 2003) Principal Investigator: Prof. Ramesh Chandra
 22. Role of metalloporphyrins in Therapeutics of Cardiovascular Complications during hypoxic stress” (Funded by Indian Council of Medical Research, Amount: Rs. 8,18,200/-, 2003) Principal Investigator: Prof. Ramesh Chandra
 23. In vitro propagation of Bijaswal (*Pterocarpus marsupium* Roxb.): A Medicinal Leguminous Tree” (Funded by Department of Science and Technology, Amount: 16,13,760/-, 2003) Principal Investigator: Prof. Ramesh Chandra Co-Principal Investigator: Dr. S. C. Gupta
 24. The Adaptive Medicine and its Relevance.(Funded by Department of Science and Technology, Amount Rs. 5,13, 000/-, 2003) Principal Investigator: Prof. Ramesh Chandra Co-Principal Investigator: Dr. S. K. Srivastava
 25. Design and synthesis of mimic of the dihydropyridine calcium channel modulator and synthesis of piperidine derivatives such as Azasugars. (Funded by Indian Council of Medical Research, Amount Rs. 7,80, 000/-, 2003) Principal Investigator: Prof. Ramesh Chandra Co-Principal Investigator: Dr. Manisha Tiwari
 26. Computer facility for induction of computer paper at PG level. (Funded by University Grant Commission, Amount Rs. 2,40, 000/-, 2002) Principal Investigator: Prof. Ramesh Chandra
 27. Synthesis of Oxandrolone (Funded by HIKMA, Jordan, Amount: US\$ 30,000/-, 2001) Principal Investigator: Prof. Ramesh Chandra Co- Principal Investigator: Dr. Vibha Tandon
 28. Standardisation of Method of Optimisation of Morphine and other alkaloids of Opium by HPLC as Stipulated in British Pharmacopoeia.(Funded by Central Revenue Control Laboratory (CRCL), Amount: 7,72,000/-, 1998-2001) Principal Investigator: Prof. Ramesh Chandra Co- PI: Dr. Pratibha M. Luthra
 29. Human Resource Development for Biomedical Research: CSIR - University Interaction Model(Funded by CSIR, Amount: 13,35,000/-, 2000) Principal Investigator: Prof. Ramesh Chandra
 30. Effect of the Active Principles of *Withania Somnifera*, *Curculigo Orchides*, *Asparagus Racemosus* on Anti Stress Activity in Animal Models (Funded by DRDO, Ministry of Defence,

Amount: Rs. 8,08,400/-, 1999) Principal Investigator: Prof. Ramesh Chandra Co- Principal Investigator: Dr. Manisha Tiwari

31. Techniques in Recombinant DNA Technology: (Funded by Department of Biotechnology, Government of India, Amount Rs. 3, 80, 000, 1999) Principal Investigator: Prof. Ramesh Chandra
32. Development of Structural Activity Relationship of Noscapine – A Potential Antineoplastic Agent: In the Context of Socio-Economic Importance in South-East Asia Funded by United Nations Educational, Scientific and Cultural Organization (UNESCO), 1998 (Amount:US\$ 15,000) PI: Prof. Ramesh Chandra
33. Development of New Synthetic Chemical Methods. Funded by Polaroid Corporation, USA, 1996, (Amount: US\$ 3,50,000/- plus rquiment and supplies worth ~ US \$ 5,50,000/-) Principal Investigator: Prof. Ramesh Chandra
34. RGD containing Peptides: Development of Anticancer Agents. (Sanctioned by UGC as part of Career Award (Rs. 2, 50, 000 per annum), Ref: F. 10-46/95 (SA-III) dt. 26/12/9Principal Investigator: Prof. Ramesh Chandra
35. A4 Amyloid Related Proteins from Sperm: Structure, Function and Genetics. (Sanctioned by the Rockefeller Foundation, New York, U.S.A in collaboration with the Center for Biomedical Research, Population Council - The Rockefeller University, New York, December 1992).\
36. Synthesis of Organometallic Compounds. (Sanctioned by DRDO [Defence Research & Development Organ.], New Delhi for two years, March 1990-92, Amount 16,00,000/-). Principal Investigator: Prof. Ramesh Chandra
37. Biochemical Properties of Metalloporphyrins: Interaction with Apomyoglobin, Heme Binding Proteins and DNA.(Sanctioned by Council of Scientific and Industrial Research, New Delhi, Ref. letter no.1 (1140)/89- EMR-II, dated 21/4/1989, Amount Rs. 6, 50, 000/- approximately)
38. Role of Metals in Biological Systems *in vitro* and *in vivo* studies. (Sanctioned by University Grants Commission, New Delhi Ref. letter no.F. 7-30 (Sc)/88 (SA-I), dated April 25, 1988).
39. Synthesis and Characterisation of Transition Metal Complexes of Macrocyclic ligands having Resemblance to Biological Systems: An approach to Develop and Evaluate Model Systems. (Sanctioned by University Grants Commission, New Delhi Ref. letter no. F.12-6/86 (SR-III), dated March 10, 1987).

(* These projects are yet to be implemented because of the administrative reasons)

Awards and Distinctions

- Millennium Plaques of Honour Award(Life Time Achivement Award for Contribution in Science & Technology) for 2017-2018,
(Awarded by Indian Science Congress Association (ISCA) at 105th Indian Science Congress, held at Manipur March 16, 2018)
- Vidya Ratan of the Millennium Gold Medal by Indian Council of Management Executives, 2005
- INSA-Royal Netherlands Academy of Arts & Sciences, Fellowship, 2005
- Dr. B. R. Ambedkar National Award, 2004
- Chemical Research Society of India, CRSI Bronze Medal, 2004
- Life Time Achievement Award of the Indian Chemical Society, 2003
- Rashtriya Gaurav Award, October, 2003
- Prof. Ghanshyam Srivastava Commemoration Award of the Indian Chemical Society, 2003
- Rajib Goyal Award for Young Scientist, 2002
- INSA- Russian Academy of Sciences, (Moscow) Fellowship, 2002
- Prof. D. P Chakravorty Commemoration Award of Indian Chemical Society, 2001
- Award of Highest Honor of the Soka University, Tokyo, Japan, 2000
- IMNM-99 Award and Gold Medal: Integrated Medicine for New Millennium, 1999
- ISSX (Int. Soc. for Study of Xenobiotics) Scholarship, 1994
- The Rockefeller Foundation, USA - Biotechnology Career Award, 1993
- Career Award, University Grants Commission, New Delhi, 1993
- Indo -U.S. Award (J. William Fulbright Scholarship) 1993
- Dr. Ambedkar National Distinguished Service award, 1993,
Dalit Sahitya Academy, New Delhi
- FEBS (Federation of European Biochemical Societies), 1990
Scholarship in collaboration with Hungarian Academy of Sciences
- Research Scientists Award - University Grants Commission, New Delhi, 1987
- National Scholarship for Study abroad, Minister of Education, Govt. of India, 1980-81
- GDR Government Scholarship for higher Studies, Ministry of Education, 1980-81
Govt. of India, New Delhi
- National Overseas Scholarship for Higher Studies, Ministry of Home Affairs, 1979-80,
Govt. of India, New Delhi

FELLOWSHIP OF SCIENTIFIC/ACADEMIC SOCIETIES:

Fellow- Royal Society of Chemistry, London, UK

Fellow - International Academy of Physical Sciences (2001)

Fellow- Institution of Chemists, India

Fellow- Indian Chemical Society, India

MEMBER OF THE SEARCH COMMITTEES FOR APPOINTMENT OF VICE CHANCELLORS:

Member- Search/Selection Committee for the post of Vice-Chancellor
Ch. Devi Lal University, Sirsa (Haryana)-2005

Member- Search/Selection Committee for the post of Vice-Chancellor
Maharishi Dayanand University,
Rohtak (Haryana)-2004

Member- Search/Selection Committee for the post of Vice-Chancellor
Arunachal University, Itanagar (Arunachal Pradesh)-2003

Member- Search/Selection Committee for the post of Vice-Chancellor
Himachal University, Shimla (HP)-2001

MEMBER OF EDITORIAL BOARD OF INTERNATIONAL JOURNALS:

1. Int. J. Human Genetics, India

2. J. Heterocyclic Communications

3. Archive of Organic Chemistry, ARKIVOC, Switzerland

4. Int. J. Artificial Cells, Blood Substitutes and Biotechnology, Canada

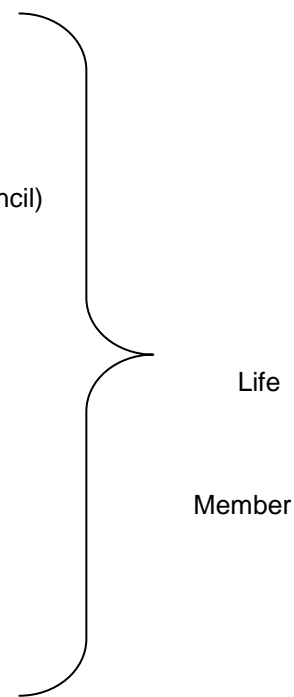
5. Artificial Cells, Nanomedicine and Biotechnology, Canada

6. Indian Journal of Biochemistry and Biophysics (CSIR)

7. Guest Associate Editor, Cell Biochemistry and Biophysics, Vol. 43-1/2005 and Vol. 44-1/2006,
Humana Press, New York.

MEMBERSHIP OF SCIENTIFIC/ACADEMIC SOCIETIES:

- Member- American Society for Microbiology, USA
- Member- The Scientific Society, SIGMA Xi, USA
- Member- International Society for the Study of Xenobiotics, USA
- Member- International Society for Artificial Cells, Blood Substitutes and Immobilisation
Biotechnology, Canada
- Member- The New York Academy of Science, New York, USA
- Member- Society of Chemical Industry, London
- Member- The National Academy of Sciences, India
- Member- American Association for the Advancement of Science.
- Member- American Chemical Society, Washington, D.C, U.S.A.
- Member- The American Phytopathological Society, U.S.A.
- Member- Optical Society of America, U.S.A.
- Member- Affiliate International Union of Pure & Applied Chemistry, U.K. (INSA nominated)
- Member- The Society for General Microbiology, U.K.
- Member- The Biochemical Society, London, U.K.
- Member- Royal Society of Chemistry, London, U.K.
- Member- Society of Biological Inorganic Chemistry, U.K.
- Member- Indian Science Congress Association, Calcutta
- Member- Indian Institute of Public Administration, New Delhi
- Member- Zaheer Science Foundation, New Delhi (Governing Council)
- Member- Indian Chemical Society, Calcutta
- Member- Institution of Chemists, India
- Member- Asian Federation of Clinical Pharmacologists
- Member- Indian Society of Analytical Scientists
- Member- Society of Biological Chemists, India
- Member- Delhi University Botanical Society
- Member- Chemical Research Society, India
- Member- Society of Clinical Biochemists



PROFESSIONAL ACTIVITIES:

Consultant	Proviva Pharma Inc. 1100, De la Montagne, Unit-1505, Montreal, Quebec, H3G OA1, Canada	June 2016 onwards
Advisor	Indian Institute of Information Technology, Allahbad	2010-2013
President	Ambedkar Center For Biomedical Education & Research (A Non Profit Scientific-Research Foundation), India	2008 onwards
Secretary & Treasurer-	Zaheer Science Foundation, New Delhi, (A Forum of Scientists)	2008-2010
President-	Indian Chemical Society, Kolkata	2004-2006
Vice President-	Indian Chemical Society, Kolkata (For Life)	2006 –till date
Managing Trustee	Baba Saheb Dr. B.R Ambedkar Mission of India, New Delhi (An Educational Trust for the Development of Society)	2006 onwards
Chairman-	Advisory Committee, State Level Entrance Test (SLET), Haryana	2004
Chairman-	Combined Pre-Medical Test (CPMT) 2002 for UP & Uttaranchal	2002
Vice President-	World Fellowship of Religions, New Delhi.	2003- 2008
Chairman -	Board of Research Studies Faculty of Science, University of Delhi, Delhi-110007.	1997-1999
Chairman -	Publication Advisory Committee University of Delhi, Delhi – 110 007, India	1997-1999
Convenor-	Inorganic Chemistry Section University of Delhi, Delhi-110007, India	1998-1999
Founder-President	Indian Chemical Society (Delhi Chapter), New Delhi	1996 - 2003
Secretary-	Zaheer Science Foundation, New Delhi	1996- 2011
Founder - Executive Secretary	Prof. R.C. Mehrotra Foundation, New Delhi	1996 onwards
Convenor-	Zaheer Science Foundation (Delhi Chapter) Organised a series of lectures by eminent scientists and of World.	1990-1996
Founder Director-	Dr. B.R. Ambedkar Center for Biomedical Research, University of Delhi, Delhi – 110 007, India –	1991 Till date
Founder President -	Delhi University Researchers Association (DURA),	1978-81
Founder President-	All India Research Scientists Association (AIRSA)	1991-96
Founder-Secretary	Bhagwan Buddha Cooperative G/H Society Ltd., New Delhi	1979-2000

Memberships of Executive Council/ Governing Boards/ Academic Bodies

Member	Academic Council, Amity University, Raipur (Chattisgarh)	2019- onward
Member	Academic Council, Indira Gandhi National Open University (IGNOU), New Delhi	2018-2020
Member	Governing Council (University Court), Amity University, Noida (U.P)	2018 onward
Member	Life Sciences Research Board (LSRB) Defence Research and Development Organization (DRDO), New Delhi	2018 onward
Member	University Court, University of Delhi, Delhi	1996 onwards
Member	Academic Council, University of Delhi, Delhi	2017 onwards
Member	Academic Council, Indira Gandhi National Open University (IGNOU), New Delhi	2016-2018
Member	Academic Council, Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya, Chitrakoot, M.P	2016-2019
Visitor's Nominee	Baba Saheb Bhim Rao Ambedkar Central University, Lucknow	2014-2017
Member	Finance Committee, Indian Institute of Information Technology (IIIT) Allahabad (U.P), India	2012-2014
Member	Sectional Committee on Electronic Measuring Systems and Accessories (LITD 08 Earlier LTD 21 AND LTD 26 AND LTD 32) , Bureau of Indian Standards , Government of India, New Delhi	2010-2016
Member	Governing Body, International Academy of Nanomedicine (IANM) Washington, DC, USA	2010 onwards
Member-	Finance Committee, National Institute of Pharmaceutical Education and Research (NIPER), SAS Nagar, Mohali, Punjab,	2008-2011
Member-	Board of Governors, National Institute of Pharmaceutical Education and Research (NIPER), SAS Nagar, Mohali, Punjab,	2007-2010
Member-	Governing Council, Steel Research and Development Mission (SRDM), Virtual Center/R & D Center, Hyderabad (Ministry of Steel, Govt. Of India)	2006 onwards
Founder member-	Steel Resource and Development Mission (SRDM) Society, Ministry of Steel, Govt. of India	2006- onwards
Member-	University Court, Maharshi Dayanand University, Rohtak (Haryana)	2005-2006
Member-	Executive Council, Maharshi Dayanand University, Rohtak (Haryana)	2005-2006
Member-	Executive Council, Kurukshetra University, Kurukshetra (Haryana)	2005-2006
Member-	Executive Committee, India International Center, New Delhi	2005
Member-	Dr. Ambedkar Chair's Committee (Ambedkar Foundation), Ministry of	2005-2006

	Social Justice and Empowerment, Govt. of India.	
Member-	UP State Council of Sports and Youth Affairs, Govt. of Uttar Pradesh	2005-2008
Member-	Standing Committee on SC/ST's University Grants Commission, New Delhi	2004-2007
Member-	Standing Committee on Minorities, UGC, New Delhi	2004-2007
Member-	Executive Committee of INSA-IUPAC (International Union of Pure & Applied Chemistry)	2004-2005
Member-	Advisory Committee, Academic Staff College, JN Vyas University, Jodhpur (Rajasthan)	2004-2005
Member-	Board of Directors, Institute of Management Studies, Rai University, Faridabad (Haryana)	2003-2004
Member-	Board of Management, Hindu Institute of Engineer & Technology, Sonapat (Haryana)	2003-2004
Member-	Board of Management, Hindu Institute of Management & Computer Science, Sonapat (Haryana)	2003-2004
Member-	Executive Council, Maharshi Dayanand University, Rohtak (Haryana)	2002-2004
Member-	Finance Committee, Maharshi Dayanand University, Rohtak (Haryana)	2004-2006
Chancellors -	Selection Committee of Lecturers/Readers/Professors Nominee Kurukshetra University (Kurukshetra)	2001-2004
Member-	Executive Committee, Indian Association of Social Science Institutions, New Delhi	2002-2005
Member-	Advisory Committee, Academic Staff College, Guru Nanak Dev University, Amritsar	2002-2006
Member-	Academic Council (Chancellor's Nominee) Kurukshetra University, Kurukshetra	2002 - 2005
Member-	UGC Curriculum Development Committee in Chemistry	2002-2003
Member-	Advisory Committee Vision 2001-2016 for Development of Youth, Ministry of Sports and Youth Affairs Govt. of India, New Delhi	2001-2004
Member-	Executive Council, Guru Jambheshwar University, Hisar Member-University Court (Chancellor's Nominee) Guru Jambheshwar University, Hisar	2000 - 2004
Member-	U. P. State Higher Education Council	2000-2005
Member-	Board of Management (Visitors nominee) Babasaheb Bhimrao Ambedkar Central University, Lucknow	2000-2003
Member-	Board of Management	2000-2003

	Maharani Laxmibai Institute of Physical Education, Gwalior (M.P.)	
Member-	Advisory Committee Maharani Laxmibai Institute of Physical Education, Gwalior (M.P.)	2000-2003
Member-	Governing Body Maharani Laxmibai Medical College, Jhansi (U.P.)	1999-2001
Member-	Governing Body Bundelkhand Institute of Engineering and Technology, Jhansi (U.P.)	1999-2001
Member-	Advisory Committee, Academic Staff College University of Allahabad (U.P.)	1999-2000
Member-	Research Advisory Committee The Talwar Research Foundation, New Delhi	1999-2007
Member –	Governing Body Shyam Lal College, Delhi University, Delhi-110032	1999-2000
Member –	Governing Body Acharya Narendra Dev College, Delhi University, New Delhi-110019	1998–1999
Member –	Governing Body Maharaja Agarsen College, Delhi University, Delhi–110091	1998–1999
Member-	Governing Body/ Advisory Committee Maulana Azad Medical College, New Delhi.	1997-1999

PARTICIPATION IN SCIENTIFIC MEETINGS:

1. Science and Technology in Society forum (STS forum), Kyoto, Japan, October 2018.
2. 105th Indian Science Congress Association, March 17, 2018 held at Manipur University, Manipur.
3. 60th Anniversary of Artificial Cells, in conjugation with XVI ISBN Int. Symposium Blood Substitutes & Oxygen Therapeutics, VISNS Nanomedicine Conference, Mc Gill University, Montreal Canada, 13th – 15th November, 2017
4. Science and Technology in Society forum (STS forum), Kyoto, Japan, October 2017
5. Visit to the campus of Japan Advanced Institute of Science and Technology, Japan, September, 2017
6. Visit to Massachusetts Institute of Technology, Cambridge MA, USA, University of Massachusetts Boston, MA, USA and Rutgers University, The State University of New Jersey, USA, July 2017
7. Meeting with the General Director of the Administrative Department of Science, Technology and Innovation – Colciencias, Bogota, Colombia, March 2017
8. Visit to the Amity University Campus, Dubai, December 2016
9. Invited Lecture on Noscipinods: New Cancer Therapeutics in International Conference on Obesity & Chronic Diseases in Las Vegas, Nevada, USA, July 2016
10. Gordon Research Conference on Natural Products and Bioactive Compounds, Proctor Academy in Andover, New Hampshire, USA. July-August, **(2016)**
11. Metabolism of Noscipine and its analogues. Gordon Research Conference on Drug Metabolism, Holderness School, Holderness, New Hampshire, USA. July, **(2015)**
12. Indian Science Congress Association, February 2014 held at Jammu University (Chaired the Session)
13. Sixth National Science Conclave of Nobel Laureates, December 8-14, 2013
14. Native and Induced Pluripotent Stem Cell Standardization
Vimal Kishor, G.U.Gurudatta, Ramesh Chandra and M.D.Tiwari
March 19–21, 2012, Florence, Italy
15. Fifth National Science Conclave of Nobel Laureates, December 8-14, 2012
16. Challenges of the Universities in the Knowledge Society Ramesh Chandra,
National Seminar on Challenges of the Universities in the Knowledge Society, Science City,
Lucknow July 4th, 2011
17. Fourth National Science Conclave of Nobel Laureates, November 26- December 2, 2011
18. Noscipine loaded Nanoparticles: A Promising therapy for Cancer
Ramesh Chandra, Prashant Singh and Pradeep Kumar
16th International Biomedical Science and Technology Symposium, Istanbul, Turkey,
September, 28-October, 2, 2010
19. Noscipine loaded Nanoparticles: A Promising therapy for Cancer
Ramesh Chandra, Prashant Singh and Pradeep Kumar
World Congress, International Academy of Science, Antalya, Turkey, 3-6 October, 2010
20. Green ICT Empowering Rural India organized at Rajiv Gandhi Institute of Information
Technology, Amethi Tikermafi, Amethi (Allahabad) and Indian Institute of Information

technology Allahabad (IIIT-A), India 20-21 August, 2010

21. Third National Science Conclave of Nobel Laureates, December 8-14, 2010
22. U.S. Higher Education: Top Choice for Indian Students-Find Out Why" November 18, 2009 at New Delhi
23. FICCI Higher education Summit 2009 "Imperitives for Higher Education: Inclusion, Expansion & Excellence November 6 & 7, 2009 at New Delhi
24. **SARC Seminar** on "*S & T Digital Library*" April 2-3, 2009 at Ashoka Hotel, New Delhi
25. Interantional Conference of Forum of Scientist from South and South East Asia on "*Capacity Building in Science & Technology, Policy Perspective Opportunities and Challenges in the Context of Globalization*" Organized by Zaheer Foundation in Colloboration with INSA and Supported by UNESCO, Ministry of HRD & Ministry of Science and Technology, Govt. of India, ISSESCO, November 27-29, 2007
26. **SARC Seminar** on "*S & T Digital Library*" April 2-3, 2009 at Bangkok, Thialand
27. Second National Science Conclave of Nobel Laureates, December 8-14, 2009
28. First National Science Conclave of Nobel Laureates, December 15-21, 2008
29. The Annual Convention of Chemists (Annual Meet of Indian Chemical Society) held at Vishva Bharti Shanti Niketan, West Bengal, February, 2006 presided.
30. Indo-US workshop on Green Chemistry, January, 2006 (Session Chaired) University of Delhi, Delhi
31. Indian Science Congress Association, January 2005 (chaired Session), Ahmedabad, Gujrat
32. International Conference on 'Chemistry Biology Interface: Synergestic New Frontiers', Vigyan Bhavan, November 21-26, 2004 chaired
33. The Annual Convention of Chemists (Annual Meet of Indian Chemical Society) held at Department of Chemistry, University of Delhi, , December, 2004 presided.
34. 5th Florida Heterocyclic Conference and Course, March 2004 University of Florida, Gainesville, Florida, USA
35. Symposium on 'Frontiers In Biomedical Research', April 14-16, 2004 Dr. B.R.Ambedkar Center for Biomedical Research, University of Delhi, Delhi - 110 007, India.
36. Inaugural address on 'Automation and Molecular Biology Techniques in Infectious Disease Diagnosis', August 2-22, 2003 All India Institute of Medical Sciences, New Delhi, India
37. 40th Annual Convention of Chemists, December 25-28, 2003 Bundelkhand University, Jhansi
38. Gordon Research Conference on Drug Metabolism, July 6-11, 2003 Holderness School, Plymouth, N.H., USA.
39. 4th Florida Heterocyclic Conference and Course, March 2003 (*Session Chair*) University of Florida, Gainesville, Florida, USA
40. Chaired Session on 'Current Concepts in Biochemistry and Molecular Biology' International Conference on Chest Disease and Allied Sciences, 12-14 january, 2003, V.P.Chest Institute, University of Delhi
41. Invited Lecture – Future of Bioinorganic Chemistry – from Lab to Clinic Rajasthan University, Jaipur, Jan 9, 2003

42. Invited Lecture on "Chemistry and Biology of Heme" Indian Science Congress 2nd -7th January, 2003, Bangalore
43. Invited Lecture on "Synthesis and Investigation of Mass Spectral Studies on Aryl Substituted N-Carbamoyl/Thiocarbamoyl Narcotine Pittcon 2002, March 17-22, New Orleans, LA, USA
44. Chaired session on Environmental Biochemistry, Toxicology and Micronutrients in Health and Disease 9th Asian Pacific Congress of Clinical Biochemistry (APCCB), 9-14th March, 2002, New Delhi
45. Seminar on "Environmental Pollution and Public Health", February, 2002 Deen Dayal Updhyaya College, University of Delhi, Delhi, India
46. Second National Conference on Laboratory Medicine (LABCON-2), February, 2002 All Indian Institute of Medical Sciences, New Delhi, India
47. International Symposium on Leishmaniasis, February, 2002 All Indian Institute of Medical Sciences, New Delhi, India
48. 2nd Florida Heterocyclic Conference and Course, March 2001 (*Session Chair*) University of Florida, Gainesville, Florida, USA
49. Gordon Research Conference on Drug Metabolism, July 9-14, 2000 Holderness School, Plymouth, N.H., USA.
50. 4th Meeting of International Academy of Physical Sciences, Dec. 17th, 1999, Allahabad, India
51. Fourth International Workshop on Chemical and Biological Agents: Detection and Decontamination, September 15-17, 1999, Indian Institute of Technology Research Institute, Chicago, USA
52. Indo French Symposium on Multiple Drug Resistance and Emerging Diseases February 28-March 4, 1999, INSA, New Delhi, India
53. ISSX Meeting, October 25-29, 1998, Cairns, Queensland, Australia.
54. Seminar on 'Current Status of Oral and Implantable Contraceptive Agents' October 31-November 1, 1998, Dr. B.R.Ambedkar Center for Biomedical Research, University of Delhi, Delhi – 110 007, India.
55. ISAS Seminar on "Hyphenated Techniques For Chemical Analysis", April 25, 1998, Dr. B. R. Ambedkar Center for Biomedical Research University of Delhi, Delhi - 110 007, India.
56. Symposium on 'Frontiers In Biomedical Research', March 31-April 2, 1998 Dr. B.R.Ambedkar Center for Biomedical Research, University of Delhi, Delhi - 110 007, India.
57. American Chemical Society organized Short Course on "Effective Management of Chemical Analysis Laboratories", February 28- March 1, 1998, New Orleans, LA, USA.
58. Pittsburg Conferences in Analytical Chemistry, March 2-7, 1998, New Orleans, LA, USA
59. 34th Annual Convention of Chemists, December 17-20, 1997 Dr. B.R.Ambedkar Center for Biomedical Research, University of Delhi, Delhi - 110 007, India.
60. International Symposium on Fuels and Lubricants, December 8-10, 1997, New Delhi, India.
61. International Conference on Advances in Reproductive Medicine, November 15-18, 1997, Science City, Calcutta, India.
62. 84th Session of Indian Science Congress, January 3-8, 1997, University of Delhi, Delhi – 110 007 (Chaired the Session).

63. International Seminar on Interface between Chemistry & Biology, January 1st, 1997, University of Delhi, Delhi – 110 007, India.
64. International Conference on Clinical and Experimental Lung Research, Nov.20-22, 1996, New Delhi.
65. 7thNorth American ISSX (International Society for the Study of Xenobiotics) Meeting, October 20-24, 1996, San Diego, CA, USA.
66. National Science Day- DBT Sponsored, organised by the Department of Biotechnology, Guru Nanak Dev University, Amritsar, India (delivered Inaugural Address Feb. 28, 1996).
67. International Symposium on Perspective in Bio-organic Chemistry, December 8-9, 1994, New Delhi, India, (Delivered lecture).
68. 6th North American ISSX (International Society for the Study of Xenobiotics) Meeting. October 22-27, 1994, Raleigh, North Carolina, USA (Invited).
69. Asian Symposium on Super Critical Fluid Extraction Technology for Natural Products. September 27-29, 1994, Indian Institute of Technology, Delhi.
70. XVIth IUBMB (International Congress of Biochemistry and Molecular Biology, September 19-22, 1994, New Delhi, India.
71. Gordon Research Conference on Chemotherapy of Experimental and Clinical Cancer. July 24-29, 1994, Colby Sawyer (South), New Hampshire, USA (Invited with full funds).
72. Gordon Research Conference on Drug Metabolism, July 17-22, 1994, Holderness School, Plymouth, N.H., USA.
73. Gordon Research Conference on Hetrocyclic Compounds, July 10-15, 1994, New Hempton School, N.H., USA.
74. Symposium on Modern Trends in Inorganic Chemistry, August 11-13, 1993, Indian Institute of Science, Bangalore, India.
75. Gordon Research Conference on Drug Metabolism, July 11-16, 1993, Holderness School, Plymouth, N.H., USA. (Invited with full funds)
76. Ninth National Symposium on Analytical techniques for Fossil, Fuel and Lubricants. December 22-24, 1994, New Delhi, India.
77. Gordon Research Conference on Molecular and Ionic Clusters, October 3-9, 1992, Swabian Center, Irsee, Germany. (Invited with travel funds & local hospitality)
78. Gordon Research Conference on Separation and Purifications, August 10-14, 1992, Colby Sawyer College, New London, NH, USA. (Invited with travel funds & local hospitality)
79. UPAC-NOST International Symposium on Enzymes in Organic Synthesis. January 6-9, 1992, New Delhi, India.
80. The Fifth International Kyoto Conference on New Aspects of Organic Chemistry. November 11-15, 1991, Kyoto, Japan. (Invited with travel funds and local hospitality)
81. Manipur Science Congress, September 1991, Imphal, Manipur. (Delivered session lecture).
82. Fifth International Conference on Bioinorganic Chemistry, August 4-10, 1991 University of Oxford, U.K.
83. 10th International Conference on Iron and Iron Proteins (IP10), July 27-31, 1991 Keble College, Oxford, U.K.

84. Gordon Research Conference on Drug Metabolism, July 15-19, 1991 Holderness School, Plymouth, N.H, USA. (Invited with travel funds and local hospitality)
85. Gordon Research Conference on Molecular Pharmacology, June 16-20, 1991, Tilton School, Tilton, N.H, USA.
86. National Seminar on Dr. Ambedkar, Science and Society, March 8-9, 1991, N.P.L, New Delhi. (Organising Secretary of the National Seminar).
87. International Symposium on Current Trends in Chemical Research, January 7- 8, 1991, Delhi. (Organising Secretary of this International symposium).
88. 20th FEBS Meeting (Federation of European Biochemical Societies), August 19-25, 1990, held at Budapest, Hungary, To deliver invited lecture on Metal-Enzyme Interactions.
89. XXVIII International Conference on Coordination Chemistry, August 13-18, 1990, Organised by GDR Academy of Sciences at GERA, GDR.
90. Gordon Research Conference on Drug Metabolism, July 16-22, 1990 Holderness school, Plymouth, N.H, USA (Invited with travel funds and local hospitality).
91. Manipur Science Congress. held at Imphal, March 20-22, 1990 Delivered Plenary Session Lecture Organised by Department of Science & Technology, Government of Manipur.
92. Symposium on Physiology & Photomedicine, February 14-18, 1990, Organised by INMAS, New Delhi.
93. 17th IUPAC Int. Symposium on the Chemistry of Natural Products, February 4-9, 1990, Organised by National Organic Symposium Trust, New Delhi.
94. Jawahar Lal Nehru Centenary International Seminar on: "Science & Technology for National Development : International and Regional Cooperation", November 14-16, 1989, Organised by Indian National Science Academy, New Delhi.
95. 32nd IUPAC Congress (International Union of Pure & Applied Chemistry), August 2-7, 1989. Organised by The Royal Society of Chemistry, Stockholm, Sweden.
96. Int. Symposium on Agriculture and Biological Aspects of Aflatoxin related Health Hazards, March 22-25, 1989, Organised by V.P.Chest Institute, New Delhi, India.

PROFESSIONAL VISITS ABROAD:

June 2019	<ul style="list-style-type: none">• National University of Lesotho, Lesotho, South Africa• Faculty of Science and Technology• Faculty of Health Science• Faculty of Agriculture• Ministry of Health, Kingdom of Lesotho• Lerotholi Polytechnic, Lesotho• Medigrow Laboratory, Lesotho• National Health Training College, Lesotho• Lesotho Pharmaceutical Company (LPC)• NDSO in Mafeteng, Lesotho• Limkokwing University of Creative Technology• Medigrow Facilities in Marakabei, Lesotho• Mohale Dam, Lesotho
May 2019	<ul style="list-style-type: none">• Department of Physiology, School of Medicine, Wayne State University, 42. W. Warren Ave. Detroit, MI 48202• Permanent Mission of Kingdom of Lesotho, United Nations, New York
April 2019	<ul style="list-style-type: none">• Department of Physiology, School of Medicine, Wayne State University, 42. W. Warren Ave. Detroit, MI 48202
February 2019	<ul style="list-style-type: none">• Department of Biotechnology, Chemistry and Pharmacy University of Siena, Siena, Italy
October 2018	<ul style="list-style-type: none">• Japan Advanced Institute of Science and Technology, Ishikawa, Japan
October, 2018	<ul style="list-style-type: none">• Science and Technology in Society forum (STS forum), Kyoto, Japan
June 2018	<ul style="list-style-type: none">• Drexel University, 3141 Chestnut St, Philadelphia, PA 19104, USA• Princeton University, New Jersey, USA
November 2017	<ul style="list-style-type: none">• National University of Singapore, Singapore
November, 2017	<ul style="list-style-type: none">• Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology• Faculty of Medicine, McGill University, Montreal, Quebec, Canada
November, 2017	<ul style="list-style-type: none">• Princeton University, New Jersey, USA
October, 2017	<ul style="list-style-type: none">• Science and Technology in Society forum (STS forum), Kyoto, Japan
September, 2017	<ul style="list-style-type: none">• Japan Advanced Institute of Science and Technology, Ishikawa, Japan
July, 2017	<ul style="list-style-type: none">• Massachusetts Institute of Technology, Cambridge MA, USA• University of Massachusetts Boston, MA, USA

March, 2017	<ul style="list-style-type: none"> • Rutgers University, The State University of New Jersey, USA • General Director of the Administrative Department of Science, Technology and Innovation – Colciencias, Bogota, Colombia • Andes University, Bogota, Colombia (visit to R & D Institution and Centre) • Guadua Manufacturing Company, Pereira, Colombia • Guadua Manufacturing Company, Chinchina, Colombia • Technological University of Pereira, Colombia • Governorate of Valle del Cauca (Cali), Colombia • Bio Pacific Park (Interntaional Center for Tropical Agriculture), Valle del Cauca, Palmira, Colombia
December, 2016	<ul style="list-style-type: none"> • Amity University Campus, Dubai
July-August, 2016	<ul style="list-style-type: none"> • Harvard Medical School 401 Park Drive, Boston, MA 02215, USA • Drexel University, 3141 Chestnut St, Philadelphia, PA 19104, USA • Boston University School of Medicine, Boston, MA 02118, USA
July-August, 2015	<ul style="list-style-type: none"> • Wayne State University School of Medicine, Detroit, MI, USA
May 2015	<ul style="list-style-type: none"> • Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada Drexel University, 3141 Chestnut St, Philadelphia, PA 19104, USA Boston University School of Medicine, Boston, MA 02138, USA
June 2014	<ul style="list-style-type: none"> • Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada • Drexel University, 3141 Chestnut St, Philadelphia, PA 19104, USA
May-June 2014	<ul style="list-style-type: none"> • Harvard University, Cambridge, MA 02138, USA
February 2014	<ul style="list-style-type: none"> • VU University Medical Center, Amsterdam, The Netherland. • Boston University Medical Center, 72 E Concord St, Boston, USA
October 2013	<ul style="list-style-type: none"> • Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada
June 2013	<ul style="list-style-type: none"> • Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada
June 2012	<ul style="list-style-type: none"> • Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada

	<ul style="list-style-type: none"> • New York Presbyterian Hospital Weill Medical College of Cornell University, New York, USA
July 2011	<ul style="list-style-type: none"> • Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada
June 2011	<ul style="list-style-type: none"> • Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada
December, 2010	<ul style="list-style-type: none"> • New York Presbyterian Hospital Weill Medical College of Cornell University, New York, USA • University of Rome, Italy
October 2010	<ul style="list-style-type: none"> • International Biomedical Science and Technology, Istanbul University, Turkey • Marmara University, Istanbul, Turkey • Istanbul University, Istanbul, Turkey.
October, 2010	<ul style="list-style-type: none"> • International Academy of Biomedical Science, Antalya, Turkey
June-July 2010	<ul style="list-style-type: none"> • Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada
June-July 2009	<ul style="list-style-type: none"> • Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada
June-July 2008	<ul style="list-style-type: none"> • New York Presbyterian Hospital Weill Medical College of Cornell University, New York, USA
January 2008	<ul style="list-style-type: none"> • Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada
October 2007	<ul style="list-style-type: none"> • ASEAN Countries Meet on 'Digital Libraries' Bangkok, Thailand
Jan- Feb 2007	<ul style="list-style-type: none"> • Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada
Jan- Feb 2006	<ul style="list-style-type: none"> • Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada • New York Presbyterian Hospital Weill Medical College of Cornell University, New York, USA • Department of Cell Biology Emory University, Atlanta, GA, USA • Department of Biochemistry, Hospital for Sick Children University of Toronto, Toronto
January 2005	<ul style="list-style-type: none"> • Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada • New York Presbyterian Hospital Weill Medical College of Cornell

	<ul style="list-style-type: none"> University, New York, USA
Sept-Oct 2004	<ul style="list-style-type: none"> Department of Cell Biology Emory University, Atlanta, GA, USA Sandoz-Novartis Pharmaceuticals Research Lab, Basel (Switzerland) XeChem Inc., New Jersey, USA New York Presbyterian Hospital Weill Medical College of Cornell University, New York, USA
June-July, 2004	<ul style="list-style-type: none"> XeChem Inc., New Jersey, USA
July 2004	<ul style="list-style-type: none"> New York Presbyterian Hospital Weill Medical College of Cornell University, New York, USA
March 2004	<ul style="list-style-type: none"> Institute of Pharmacology, Erasmus MC University, Medical Center, Rotterdam, Netherlands
March 2004	<ul style="list-style-type: none"> Shands Cancer Center, Health Science Center University of Florida, Gainesville, USA
March 2004	<ul style="list-style-type: none"> Artificial Cells and Organs Research Center, Department of Biomedical Engineering and Physiology Faculty of Medicine, McGill University, Montreal, Quebec, Canada
July 2003	<ul style="list-style-type: none"> New York Presbyterian Hospital Weill Medical College of Cornell University, New York, USA
March 2003	<ul style="list-style-type: none"> University of Florida, Gainesville, USA Denver University, Denver, Colorado, USA
March-April 2002	<ul style="list-style-type: none"> Shemyakin & Ovchinnikov Institute of Bioorganic Chemistry, Moscow, Russia
March 2002	<ul style="list-style-type: none"> New York Presbyterian Hospital Cornell University-Weill Medical College, New York
March 2002	<ul style="list-style-type: none"> Xavier University, New Orleans, USA
March 2001	<ul style="list-style-type: none"> University of Florida, Gainesville, USA
October 2000	<ul style="list-style-type: none"> Soka University, Tokyo, Japan
July 2000	<ul style="list-style-type: none"> University of Florida, Gainesville, USA
January 2000	<ul style="list-style-type: none"> Denver University, Denver, Colorado, USA
September- 1999	<ul style="list-style-type: none"> Illinois Institute of Technology 10 West 35th Street, Chicago, Illinois 60616, USA Department of Cell Biology Emory University, Atlanta, GA, USA
April-1999	<ul style="list-style-type: none"> Polaroid Corporation, 750, Main Street, Cambridge, MA-02139, USA The New York Hospital, Division Of Endocrinology

		Cornell University Medical Center, New York, N.Y. 10021
Nov-Dec 1998	•	The New York Hospital, Division of Endocrinology Cornell University Medical Center, New York, N.Y. 10021
October 1998	•	Cairns Convention Center, Cairns, Queensland, Australia
September 1998	•	The New York Hospital, Cornell University Medical Center, New York, N.Y. 10021
	•	Pace University, Pleasantville, New York
	•	Polaroid Corporation, 750, Main Street, Cambridge, MA-02139, USA
Feb-March 1998	•	The New York Hospital Cornell University Medical Center, New York, N.Y. 10021
	•	Polaroid Corporation, 750, Main Street, Cambridge, MA-02139, USA
	•	ACS Delegation to Pittcon, New Orleans, USA
November 1997	•	Ortech Corporation, Toronto, Canada
	•	Polaroid Corporation, 750, Main Street, Cambridge, MA-02139, USA
	•	Imation 3M Research Center 202-3N 04 St. Paul, Minneapolis 55144, USA.
	•	Toyota Technological Institute 717-86, Futamata, Ichikawa, Chiba 272, JAPAN
	•	Department of Cell Biology, Emory University School of Medicine Atlanta, GA-30322-3030, USA
October 1997	•	Thrombosis Research Institute, London (UK) Institute of Pharmacology, cardiopulmonary and Molecular Biology Erasmus University, Rotterdam, Netherlands
October 1997	•	CNRS Institute of biochemistry and Enzymology Institut Gustave-Roussy Pavillon de Recherche II 39 Rue Camille Dermoulins-94805, Vellejuif, Cedex, FRANCE
October 1997	•	The New York Hospital -Cornell University Medical Center, New York, N.Y. 10021
	•	Polaroid Corporation, 750, Main Street, Cambridge, MA-02139, USA
Oct-Nov 1996	•	Mc Gill University, Montreal, Quebec, Canada Artificial cells & Organs research Center
	•	The University of Northern Iowa, Cedar Falls Iowa 50614-0123
	•	Biochem Therapeutic inc., Laval, Quebec, Canada University of Denver, Denver, USA

July-August, 1996	•	Research Labs, The Polaroid Corporation Cambridge, MA 02139, USA
Sept.-Oct, 1995	•	The New York Hospital -Cornell University Medical Center, New York, N.Y. 10021
November1994	•	The New York Hospital -Cornell University Medical Center, New York
Jan-Feb, 1994	•	The New York Hospital -Cornell University Medical Center, New York
July 1993	•	Center for Biomedical Research, Population Council, The Rockefeller University, 1230, York Avenue, New York 10021
July-Oct, 1992	•	Center for Biomedical Research, Population Council, The Rockefeller University, New York 10021
October, 1992	•	Swabian Center, Irsee, Germany
November 1991	•	Institute of Protein Research, Osaka International University, Osaka, Japan
August 1991	•	University of Oxford, Oxford, U.K.
June-July, 1991	•	Center for Biomedical Research, Population Council, The Rockefeller University, New York 10021
August–Sept, 1990	•	Center for Biomedical Research, Population Council, The Rockefeller University, New York 10021
August, 1990	•	Institute of Enzymology, Hungarian Academy of Sciences, Budapest,Hungary
	•	Academy of Science Nasadkach7, 37005 CESKE BUDEJOVICE, Czechoslovakia
August, 1989	•	Center for Biomedical Research, The Population Council, The Rockefeller University, New York 10021
July-Aug, 1989	•	Royal Swedish Academy of sciences, Stocholm, Sweden
June-July, 1988	•	Center for Biomedical Research, Population Council, The Rockefeller University, New York 10021
March, 1988	•	Center for Biomedical Research, Population Council, The Rockefeller University, New York 10021
March-April, 1987	•	Center for Biomedical Research, Population Council, The Rockefeller University, New York 10021
June, 1986	•	Department of Pharmacology, School of Medicine, Health Science Center, State University of New York, Stonybrook, USA
April, 1983	•	The New York Hospital-Cornell University Medical College, New York, & The Rockefeller University, New York, NY 10021