




## Faculty Details proforma for DU Web-site

Title	<b>Professor</b>	First Name	<b>Ramesh</b>	Last Name	<b>Chandra</b>	Photograph
Designation	<b>Professor</b>					
Department	<b>Chemistry</b>					
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	<a href="mailto:acbrdu@hotmail.com">acbrdu@hotmail.com</a> <a href="mailto:rchandra@chemistry.du.ac.in">rchandra@chemistry.du.ac.in</a>					
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</p>						

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 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.

#### Administrative Assignments

##### **EXPERIENCE (Administrative, Academic and Research):**

- |   |                        |
|---|------------------------|
| • 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)<br>(A Government of India, Undertaking)<br>Vishakhapatnam Steel Plant, Vishakhapatnam-520031 | August, 2009-2010      |
| • Member, U.P, State Youth Welfare Council  | 2005-2007              |

• Director, Dr. B.R. Ambedkar Center for Biomedical Research University of Delhi, Delhi-110007	1995 onwards
• Project Director, Dr. B.R. Ambedkar Center for Biomedical Research University of Delhi, Delhi-110007	1991-1995
• Chairman, Board of Research Studies Faculty of Science, University of Delhi, Delhi-110007, India	1997-99
• Chairman, Publication Advisory Committee University of Delhi, Delhi – 110 007, India	1997-99
• Joint Proctor University of Delhi, Delhi - 110 007, India	1995-99
• UGC Career Award, University of Delhi, Delhi	1994-97
• <b>Professor</b> , Department of Chemistry, University of Delhi, Delhi	June 1996 – onwards
• Research Scientist-C ( <b>UGC National Professor</b> ), University of Delhi	April 1993-June 1996
• J. William Fulbright Scholar: The New York Hospital, Cornell University Medical Center, NY 10021, USA	1994
• Research Scientist-B ( <b>UGC National Reader</b> ), University of Delhi	1988-93
• Research Fellow: Harvard Medical School Massachusetts General Hospital, Boston, MA 02114, USA <i>Jointly at Dept. of Chem. Engg. Massachusetts Institute of Technology (MIT), Cambridge, USA,</i>	1988
• 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 <i>The Rockefeller University, New York, NY 10021, USA</i>	1983-85
• Scientist-B, Publication and Information Directorate Council of Scientific & Industrial Research, New Delhi, India	1982-83
• Research Associate, Department of Biochemistry V. P. Chest Institute, University of Delhi, Delhi- 110 007	1982

**CORPORATE ADMINISTRATIVE EXPERIENCE**

Director - (Non-Official)	Rashtriya Ispat Nigam Ltd. (RINL) (A Government of India, Undertaking) Vihakhapatnam Steel Plant, Vishakhapatnam-520031	August, 2009- 2010
Member -	Audit Committee, (RINL) Vihakhapatnam Steel Plant, Vishakhapatnam-520031	August, 2009-2010
Member -	High Power Steering Committee Rashtriya Ispat Ligam Ltd. Vihakhapatnam Steel Plant, Vishakhapatnam-520031	August, 2009-2010
Member -	Subcommittee for long term Service Agreements Rashtriya Ispat Ligam Ltd. Vihakhapatnam Steel Plant, Vishakhapatnam-520031	August,2009-2010
Member -	Empowered Joint Committee (EJC) of SAIL & RINL	2009-2010
Member -	Governing Council, Steel Research &Development Mission (SRDM), Virtual Center, R & D Center, Hyderabad (Funded by Ministry of Steel, Govt. of India)	2006 onwards
Founder -	Steel Resource and development mission (SRPM) Society,  (Established by Ministry of Steel, Govt. of India)	2006-onwards
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 -	Polaroid India Pvt. Ltd. (Wholly owned subsidiary of Polaroid Corporation, USA)	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. 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
- Research Associate, Department of Biochemistry 1982  
V. P. Chest Institute, University of Delhi, Delhi- 110 007

**Research Guidance****ADVISOR/ SUPERVISOR OF THE Ph.D./ M.D. THESIS:**

1. Preparation and Evaluation of Preformulated Niosomes containing antioxidants in Gel  
(Ph.D., April 2010, Ms. Anita R. Desai, Bundelkhand Univesity, Jhansi)
2. Biochemical Investigations On The Antidiabetic Effect And Mechanism Of Action Of Cinnamomum Zeylanicum And Brassica Nigra In Experimental Diabetes  
(Ph.D., September 2009, Ms. Prachi Anand, University of Delhi, Co-Supervisor- Vibha Tandon)
3. Synthesis and Pharmacokinetic Studies of Noscapine Analogs having Antitumor Activity.  
(Ph.D., March 2009, Ms. Neerupma Dhiman, University of Delhi)
4. Pharmacological evaluation of free radical scavenging and antidiabetic activity of some common medicinal plants.  
(Ph.D., June 2008, Mr. Nanu. R. Rathod, Bundelkhand Univesity)
5. Study on Phytochemical and Pharmacological Activity of *Scoparia Dulcis*.Linn  
(Ph.D., February 2008, Mr. Manjunath K.P., Bundelkhand University)
6. Clinical Investigation of *Sapindus trifoliatus* (Reetha): Isolation of Antimigraine Active Principles  
(Ph.D., October 2007, S.K. Joshi, Bundelkhand Univesity)
7. Studies on the Antidiabetic Effects of *Terminalia chebula* in Experimental Animals.  
(Ph.D., September 2007, Mr. Yanda Murali Krishna, Bundelkhand University)
8. A Study on Phytochemical and Biological activity of *Carissa Carandas* Linn.  
(Ph.D., May, 2007, Mr. Mallikarjun Malipatil, Bundelkhand University)
9. Development of Nanoparticle Based Carrier Systems for the delivery of Biomolecules  
(Ph.D., August, 2006, Mr. Surendra Nimesh, University of Delhi, Co-Supervisor- Dr. K. C. Gupta)
10. 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, Bundelkhand University, Co-Supervisor- Prof. P. S. Bisen)
11. Studies on Some Botanicals with Immunomodulatory Properties  
(Ph.D., November 2005, Mr. Raghuvir Irchhaiya, Bundelkhand University)
12. Syntheses and Evaluation of Specific Radiopharmaceuticals for Target Specific Scintigraphy and Cancer Therapy  
(Ph.D., August 2005, Ms. Puja Panwar, University of Delhi, Co-Supervisor- Dr. Anil Mishra)
13. A Systematic Study of Criminal Justice Administration in India  
(Ph.D., July 2005, Mr. K. S. Pratap Kumar, Bundelkhand University)
14. Pre-clinical Pharmacokinetics of New Anti-TB Compound  
(Ph.D., June 2005, Ms. Jyoti Idnani, Bundelkhand University, Co-supervisor – Dr. Sudershan Arora)
15. A Study on Some Common Narcotic Drugs of Abuse from Hair  
(Ph.D., May 2005, Mr. Navjot Kaur Kanwal, Bundelkhand University)
16. Studies on the Cost Effective Process for Cefixime and Characterization of Related Impurities  
(Ph.D., March 2005, Mr. Dnyandeve R. Rane, Bundelkhand University)
17. The New Synthesis of Mefloquine Hydrochloride an Antimalarial Drug and its Analogues

(Ph.D., March 2005, Mr. Sanjay Deshmukh, Bundelkhand University, Co-supervisor – Dr. Sudershan Arora)

18. Isolation and Characterization of Impurities of Cephalosporins.  
(Ph.D., January 2005, Dr. Anurag Trivedi, Bundelkhand University, Co-supervisor – Dr. Sudershan Arora)
19. Non-Hormonal Intravaginal Contraceptives Device: Bioring™  
(Ph.D., January 2005, Ms. Mukul Singh, Bundelkhand University)
20. Phytochemical & Pharmacological Investigation of *Vitex negundo* & *Ficus religiosa* for Antidiabetic Activity  
(Ph.D., December 2004, Mr. Sanjay Kumar Jain, Bundelkhand University)
21. Synthesis of Some New Derivatives: A Redox Delivery Prodrug Approach for Brain Specific Sustained Release  
(Ph.D., November 2004, Mr. Kamta Prasad Namdeo, Bundelkhand University)
22. Proniosomal Transdermal Drug Delivery System of Eseradiol, Ethinylestradiol and Levonorgestrel for Contraception and Hormone Replacement Therapy  
(Ph.D., October 2004, Mr. Sunil K. Kumhar, Bundelkhand University)
23. Ocular Delivery of Biopeptide / Bioprotein using Carrier System  
(Ph.D., September 2004, Mr. Awani K. Rai, Bundelkhand University)
24. A Study of Bronchial Asthma with special reference to Menstruation  
(Ph.D., September 2004, Ms. Neelima Raj, Bundelkhand University)
25. 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, Bundelkhand University)
26. Studies on biomethanation process of wastes from Tanneries and Slaughterhouse  
(Ph.D., June 2004, Mr. N. P. Singh, Bundelkhand University)
27. Investigation of antigenic epitopes of HIV-1 and HIV-2 for the diagnosis, immunogenicity and immunotherapy of HIV/AIDS.  
(Ph.D., May 2004, Mr. Sanjay Kumar Singh, Bundelkhand University)
28. Studies related 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, Bundelkhand University)
29. Systematic Investigation of *Curcuma longa* (Turmeric): Isolation, Purification and Characterization of Sesquiterpenoid Compounds Active Against Pathogenic Bacteria  
(Ph.D., April 2004, Mr. Rambir Singh, University of Delhi, Co-Supervisor- Pratibha Mehta)
30. A Study of the Metalloporphyrin Mediated Heme Oxygenase Modulation in Oxidative Stress-Induced Liver Injury  
(Ph.D., April 2004, Mr. Jagdish Chander, University of Delhi)
31. 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, University of Delhi, Co-Supervisor- N. N. Ghosh)
32. On the Intracellular Survival of Mycobacteria: Biochemical studies on serina – Threomine

Kinases of *Mycobacterium tuberculosis*.

(Ph.D., November 2003, Ms. Anubha Singh, University of Delhi, Co-Supervisor- Dr. Y. Singh)

33. Effect of 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, University of Delhi, Co-supervisor Anju Katyal)

34. Synthesis of Novel Azole Derivatives as Antifungal Agents

(Ph.D., October 2003, Mr. Ram Shankar Upadhyaya, Bundelkhand University)

35. Safety Pharmacological Evaluation of LLL-2011: An Anti Migraine Herbal Formulation

(Ph.D., October 2003, Mr. Rajan Goel, Bundelkhand University)

36. Cytotoxic and Radiomodifying Effects of Certain Antioxidants in Established Normal and Transformed Cell Lines

(Ph.D., September 2003, Ms. Ligy Koshy, University of Delhi, Co-supervisor – W. Welwamurthy)

37. Controlled Release Systems of Oral Cephalosporin Antibiotic

(Ph.D., September 2003, Mr. Himadri Sen, Bundelkhand University)

38. Pharmacological Investigation of *Calotropis Gigantea* in Bundelkhand Region

(Ph.D., September 2003, Mr. Chitme Havagiray, Bundelkhand University)

39. Studies on Transcriptional Activation at Targeted Sites Through Triplex Forming Oligonucleotides.

(Ph.D., September 2003, Mr. Mrinal K. Ghosh, University of Delhi)

40. 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, University of Delhi)

41. Multistranded DNA Structures.

(Ph.D., July 2003, Ms. Sarika Saxena, University of Delhi)

42. Toxicological and Immunological evaluation of noscapine, an antineoplastic agent.

(Ph.D., June 2003, Ms. Pankaj Sharma, University of Delhi)

43. The synthesis of novel diallyldisulphide compounds having antilipidemic and antioxidant activity.

(Ph.D., December 2002, Ms. Meenakshi Sharma, University of Delhi)

44. 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, University of Delhi)

45. Immunopathology of Cerebral malaria: Profiling of Th-2 Cytokines and IgE in a Mouse Model.

(Ph.D., December 2002, Ms. Sheetal Sharma, University of Delhi)

46. 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, University of Delhi)

47. Synthesis of New 1,4-Dihydropyridines of Pharmacological importance and addition reactions upon 1,4-Dihydropyridines.



(Ph.D., December 2002, Mr. Anil Kumar Teotia, University of Delhi)

48. Effect of Active Constituents of *Withania somnifera* on Anti-stress activity in an Animal Model.  
(Ph.D., December 2002, Ms. Parvinder Kaur, University of Delhi)

49. 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, Bundelkhand University)

50. Synthesis of Novel Monosaccharides as Anti-cancer agents.  
(Ph.D., August 2002, Mr. Naval Kishore, Bundelkhand University)

51. Synthesis of N-Substituted Piperazinyl Carbamoyl, Acetyl and related analogues of Papaverine: potent Antispasmodic Agents.  
(Ph.D., July 2002, Ms. Jaskiran Kaur, University of Delhi)

52. 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, University of Delhi)

53. Analysis of Cephalosporin Antibiotics.  
(Ph.D., April 2002, Mr. Pritesh Rameshbhai Upadhyay, Bundelkhand University)

54. Toxicological Evaluation of LLL2011 and Anti Migraine Herbal Preparation.  
(Ph.D., March 2002, Mr. Sharad Kumar Sharma, Bundelkhand University)

55. Anthrax Toxin Mediated Delivery of Protein Antigens.  
(Ph.D., December 2000, Ms. Varsha Sharma, University of Delhi, Co-Supervisor- Prof. Y. Singh)

56. Development of New Synthetic Routes for Drug and Drug Intermediates: In relation to Cisapride (A 5HT<sub>2</sub> Receptor Agonist).  
(Ph.D., November 2000, Mr. Akhilesh Verma, University of Delhi)

57. A new Approach to look into the Chemistry and Biology of Heme in relation to Anti Tumor Agents: Anthracyclines.  
(Ph.D., June 2000, Ms. Charu Rewal, University of Delhi)

58. New Innovations in Metal Porphyrin Biochemistry: Interaction with Vitamin B<sub>2</sub> (Riboflavin) to control Neonatal Jaundice.  
(Ph.D., April, 2000, Ms. Ritu Jain, University of Delhi)

59. Investigation of Hypothalamus-Pituitary-Adrenal Axis Dysregulation in Major Depressive Disorder- A Focus on Serial DST.  
(M.D., May 2000, Dr. Girish Sawhney, University of Delhi, Co-Supervisor- H. G. Raj)

60. 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, University of Delhi)

61. Multidentate Macromolecules: Effect on Heme Metabolism.  
(Ph.D., December 1999, Ms. Deepali Jain, University of Delhi)

62. 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, University of Delhi)
63. Biological Studies of some Symmetric Heterocycles (Metalloporphyrins).  
(Ph.D., February 1998, Ms. Manisha Tiwari, University of Delhi)
64. Biochemical Studies on Fibronectin.  
(Ph.D., February 1998, Mr. Nizamuddin, University of Delhi)
65. Biological Activity of Heme Metabolic Enzymes as Influenced by Xenobiotics in Association with Metalloporphyrins in Rats.  
(Ph.D., September 1996, Ms. Ritu Aneja, University of Delhi)
66. Metal Ion Interaction in vivo on Hepatic Heme Metabolism in Rats.  
(Ph.D., August 1995, Ms. Mukta Dhawan, University of Delhi)
67. 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, University of Delhi)
68. Regulation of Pulmonary Surfactant Biosynthesis and Heme Metabolism by Synthetic Metal Porphyrins.  
(M.D.- Doctor of Medicine, August 1994, Ms. Sujata Wengkhaimayum, University of Delhi)
69. 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, University of Delhi)
70. 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, Meerut University)
71. Effect of Metalloporphyrins on Heme Metabolism and Biosynthesis: An approach to develop metalloporphyrins therapy for Neonatal Jaundice.  
(Ph.D., February 1989, Ms. Ripla Beri, University of Delhi)
72. Biological Properties of Pyrimidine derivatives and their Effect on DNA.  
(Ph.D., September 1987, Ms. Rachna Agrawal, University of Delhi)
- 
73. Role of Metalloporphyrins in Modulating Malaria Induced Haemolytic Anaemia in Mouse Model  
(Ph.D., June 2011, Ms. Aparajita Negi\*)
74. Role of Nitric Oxide in T cell Apoptosis.  
(Ph.D., June 2011, Mr. Unni Krishnan Nair R\*, Co-Supervisor: Anju Katyal)
75. Synthesis of Mimic of the dihydro pyrone calcium channels antagonists and Synthesis of Piperidine Derivatives (Azasugars)  
(Ph.D., May 2011, Ms Sakshi Malik\*, Co-supervisor – Rakesh Parashar)
76. Novel Methods for the Synthesis of oligonucleotides and their modified Analogs  
(Ph.D., October 2010, Mr. Gagan Dhawan\*, Co-Supervisor- Dr. K. C. Gupta)

77. Identification and functional characterization of cellular protein interacting with HIV integrase and inhibition of these proteins interaction by Specific Ribozyme  
(Ph.D., 2010, Mr. Nirpendra Singh, University of Delhi, Co-Supervisor, Vibha Tandon)

78. To study the effect of Noscapine and its Analogues on Ovarian Cyst and Tumour.  
(Ph.D., April 2008, Ms. Anjali Priyadarshani, University of Delhi, Thesis was signed by in-charge ACBR)

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79. Metal Nanoparticles using plant extract: Synthesis and their biological applications.  
(Ph.D., 2013, Mr. Pradeep Kumar\*\*) Awarded in February 2014 (Regd. with Dr. Subo Mazumdar)

80. Novel routes for the Synthesis of Thiazolidine-2,4-diones and their studies.  
(Ph.D., 2009, Mr. Prashant Singh\*\*) Awarded in February 2010 (Regd. with Dr. Anju Katyal)

81. Copper Nano particles Catalyzed C-N bond formation: Michael reaction and Amination of Aryl Halides.  
(Ph.D., 2007, Mr. Rupesh kumar\*\*). (Regd. with Dr. Akhilesh Verma)

82. Synthesis of Bifunctional Chelating Agents to label Monoclonal Antibodies for Radio Immunodiagnosis of cancer.  
(Ph.D., December 2005, Mr. Bhupinder Chitkara\*\*). (Regd. with Dr. Vibha Tandon)

(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 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 interacton studies in Malaria Parasite-Plasmodium Falciperum by least two Hybrid System. Mr. Hemant , M.Sc (Biomedical Science) 2002.
3. Effects of Allicin Extract on lipids and antioxidant properties on wistar stain rats. Ms. Anubha SIngh, M.Sc (Biomedical Science) 2001.
4. Synthesis and characterisation of Modiefied 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 noscapine 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 noscapine 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 Falciperum* 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. Xanthones 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. Braham 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, Noscapiene in Wistar Rats

Ms. Pankaj Sharma, Summer Undergraduate Research Program (SURP), 1998

21. A study of the nospapine – 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  $\alpha$ -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.

#### Publications Profile

#### **PATENTS**

1. Indian Patent No.: 245820  
Patent Application No. - 1154/DEL/2001  
Title: "Novel Diallyldisulphide 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**  
 Date of Filing – 04/03/2008  
 Date of Publication – 12/09/2008
7. International Application No. - PCT/IN2003/000250  
 Title: "Diallyldisulphide Compounds Having Antilipidemic And Antioxidant Activity"  
 Manisha Tiwari, Meenakshi Sharma and **Ramesh Chandra**  
 Date of Filing – 24/07/2003  
 Date of Publication – 04/02/2011
8. "Rational Design of a Microtubule targeting Anti-Breast Cancer Drug, EM015"  
 Ritu Aneja, **Ramesh Chandra** and Harish C. Joshi  
**US Patent filed in Atlanta, GA, USA (July, 2005)**

#### **BOOKS PUBLISHED:**

1. Post-genomic Approaches in Drug and Vaccine Development  
 Editors: Meena K. Sakharkar, Kishore R. Sakharkar and **Ramesh Chandra**  
 Publisher- River Publishers Denmark, **2015**,  
 ISBN: 978-87-93102-84-2 (Hard-back) 978-87-93102-85-9 (E-book)
2. Post-genomic Approaches in Cancer and Nano Medicine  
 Editors: Meena K. Sakharkar, Kishore R. Sakharkar and **Ramesh Chandra**  
 Publisher- River Publishers Denmark, **2015** ISBN: 978-87-93102-86-6 (Hard-back)  
 978-87-93102-87-3 (E-book)
3. Theory, Techniques and Applications of Nanotechnology in Gene Silencing  
 Authors: Surendra Nimesh and **Ramesh Chandra**  
 Publisher- River Publishers Denmark, **2011**, ISBN:978-87-92329-83-7

4. Intermediate for Organic Synthesis  
Authors: V.K. Ahluwalia, Pooja Bhagat, Renu Aggarwal, **Ramesh Chandra**  
Publisher- I.K. International, India Publishing House, **2005**,  
ISBN-10: 8188237337 ISBN-13: 978-8188237333, Paperback: 384 pages

#### RESEARCH PUBLICATIONS/ REVIEW ARTICLES

1. Tomar V, kukreti S, Prakash S, Madan J and **Chandra R (2017)**. Noscaine and its analogs as chemotherapeutic agent: Current Updates. *Current Topics in Medicinal Chemistry*, 17, 1-15.
2. Thakur V., Kush P., Pandey R. S., Jain U. K. **Chandra R.**, Madan J. (2016). Vincristine sulfate loaded dextran microspheres amalgamated with thermosensitive gel offered sustained release and enhanced cytotoxicity in THP-1, human leukemia cells: In vitro and in vivo study. *Mater. Sci. Eng. C*, 61 113–122.
3. Chandra H. K, Prabha S., **Chandra R.**, Ahmed B. and Nimesh S. (2016). Advances in preparation and characterization of chitosan nanoparticles for therapeutics. *Artificial Cells, Nanomedicine, and Biotechnology*, 44,305-314.
4. Prabha S., Arya G., **Chandra R.**, Ahmed B. and Nimesh S. (2016). Effect of size on biological properties of nanoparticles employed in gene delivery. *Artificial Cells, Nanomedicine, and Biotechnology*, 44,83-91
5. Singh VK, Kumar Neeraj, Kalsari Manisha, Saini Abhishek and **Chandra R (2016)**. A Novel Peptide Thrombopoietin Mimetic Designing and optimization Using Computational Approach. *Frontiers in Bioengineering and Biotechnology*, Volume 4, 1-11.
6. Singh V. K., Kumar N., Kalsan M., Saini A. and **Chandra R. (2015)** Mechanism of Induction: Induced Pluripotent Stem Cells (iPSCs) *J. Stem Cell* 10 (1) 43-62
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8. Nimesh S., Gupta N. and **Chandra R. (2015)** Factor Impacting Gene Uptake and Expression . *Advances and Challenges in the Delivery of Nucleic Acid Therapeutics (vol 2)* Merkel O, Amiji M.,(Eds) Future Science Ltd, London, UK.
9. Dhawan G., **Chandra R.**, Gupta K. C. and Kumar P. (2015) Facile and Rapid Deprotection Conditions for the Cleavage of Synthetic Oligonucleotides from 1,4-Anhydroerythritol-based Universal Polymer support. *Nucleosides. Nucleotides and Nucleic Acid*, 4, 34(3):149-162. doi: 10.1080/15257770.2014.975244
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11. Vishvakarma, V. K.; Kumari, K.; Patel. R.; Dixit, V. S.; Singh, P.; Mehrotra, G. K.; **Chandra, R.**; Chakrawarty, A. K. (2015) Theoretical model to investigate the alkyl chain and anion dependent interactions of Gemini surfactant with bovine serum. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 143, 319-323
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#### Conference Organization/ Presentations (in the last three years)

Co-Chairman International Conference on Translational Medicine in 21<sup>st</sup> Century 'Stem Cell Transplantation: Current Status' during 11th to 14th April, 2015, Barkatullah University, Bhopal

#### Research Projects (Major Grants/Research Collaboration)

##### RESEARCH PROJECTS SANCTIONED/ UNDERTAKEN:

- 1 Nanomedicine nanotechnology cancer research initiative. International Nanotechnology Collaboration (PI). Funded by Quebec Ministry of Economic, Canada. Innovation and Exportation (MDEIE) of Canadian. \$ 69,000.00 during **2007-2009**  
Principal Investigator: Prof. Satya Prakash, McGill University, Montreal, Canada  
Co. PI: Prof. Ramesh Chandra
- 2 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
- 3 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
- 4 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
- 5 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/-)
- 6 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
- 7 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
- 8 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

- 9 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
- 10 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.
- 11 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
- 12 Teaching & Research in Interdisciplinary and Emerging Area  
Funded by University Grants Commission, 2005(Amount: 39,75.000/-)  
Principal Investigator: Prof. Ramesh Chandra
- 13 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
- 14 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
- 15 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
- 16 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
- 17 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
- 18 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
- 19 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
- 20 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

- 21 Synthesis of Oxandrolone  
(Funded by HIKMA, Jordan, Amount: US\$ 30,000/-, 2001)  
Principal Investigator: Prof. Ramesh Chandra  
Co- Principal Investigator: Dr. Vibha Tandon
- 22 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
- 23 Human Resource Development for Biomedical Research: CSIR - University Interaction Model  
(Funded by CSIR, Amount: 13,35,000/-, 2000)  
Principal Investigator: Prof. Ramesh Chandra
- 24 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
- 25 Techniques in Recombinant DNA Technology:  
(Funded by Department of Biotechnology, Government of India, Amount Rs. 3, 80, 000, 1999)  
Principal Investigator: Prof. Ramesh Chandra
- 26 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)  
Principal Investigator: Prof. Ramesh Chandra
- 27 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
- 28 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. 26/12/9  
Principal Investigator: Prof. Ramesh Chandra
- 29 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).
- 30 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
- 31 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)

- 32 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).
- 33 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

##### HONORS / AWARDS / SCHOLARSHIPS:

- 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

#### Association With Professional Bodies

#### **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 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. Indian Journal of Biochemistry and Biophysics (CSIR)
6. 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, India

Other Activities

**PROFESSIONAL ACTIVITIES:**

Advisor(Hony)	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 onwards
Secretary-	Zaheer Science Foundation, New Delhi	1996-onwards
Founder -	Prof. R.C. Mehrotra Foundation, New Delhi	1996 onwards
Executive Secretary		
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
<b>Memberships of Executive Council/ Governing Boards/ Academic Bodies</b>		
Member	Academic Council, Indira Gandhi National Open University, (IGNOU), New Delhi	2016-2018
Member	Academic Council, Mahatma Gandhi Chitrakoot Gramoday Vishwavidyalaya, Chitrakoot, Madhya Pradesh	2016-2018
Visitor's Nominee	Baba Saheb Bhimrao Ambedkar University, Lucknow (For Faculty Appointments)	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 ) , <b>Bureau of Indian Standards</b> , Government of India, New Delhi	2010-onwards
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 Social Justice and Empowerment, Govt. of India.	2005-2006
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,	2001-2004

	Ministry of Sports and Youth Affairs Govt. of India, New Delhi	
Member-	Executive Council, Guru Jambheshwar University, Hisar	2000 - 2004
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 Maharani Laxmibai Institute of Physical Education, Gwalior (M.P.)	2000-2003
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
<b>SYMPOSIUM /SEMINARS/ INTERNATIONAL CONFERENCES ORGANIZED:</b>		
Co-Chairman	International Conference on Translational Medicine in 21 <sup>st</sup> Century 'Stem Cell Transplantation: Current Status' during 11th to 14th April, 2015, Barkatullah University, Bhopal.	

Member	International Advisory Board in 16 <sup>th</sup> 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 “ <i>Capacity Building in Science &amp; Technology, Policy Perspective Opportunities and Challenges in the Context of Globalization</i> ” 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>st</sup> , 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.

#### **PARTICIPATION IN SCIENTIFIC MEETINGS:**

1. Invited Lecture on Noscainods: New Cancer Therapeutics in International Conference on Obesity & Chronic Diseases in Las Vegas, Nevada, USA, July **2016)**
2. Gordon Research Conference on Natural Products and Bioactive Compounds, Proctor Academy in Andover, New Hampshire, USA. July-August, **(2016)**
3. Metabolism of Noscainone and its analogues. Gordon Research Conference on Drug Metabolism, Holderness School, Holderness, New Hampshire, USA. July, **(2015)**
4. Indian Science Congress Association, February 2014 held at Jammu University (Chaired the Session)

5. Sixth National Science Conclave of Nobel Laureates, December 8-14, 2013
6. Native and Induced Pluripotent Stem Cell Standardization  
Vimal Kishor, G.U.Gurudatta, Ramesh Chandra and M.D.Tiwari  
March 19–21, 2012, Florence, Italy
7. Fifth National Science Conclave of Nobel Laureates, December 8-14, 2012
8. 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 4<sup>th</sup>, 2011
9. Fourth National Science Conclave of Nobel Laureates, November 26- December 2, 2011
10. Noscapine loaded Nanoparticles: A Promising therapy for Cancer  
Ramesh Chandra, Prashant Singh and Pradeep Kumar  
16<sup>th</sup> International Biomedical Science and Technology Symposium, Istanbul, Turkey, September,  
28-October, 2, 2010
11. Noscapine 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
12. 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
13. Third National Science Conclave of Nobel Laureates, December 8-14, 2010.
14. "U.S. Higher Education: Top Choice for Indian Students-Find Out Why" November 18, 2009 at  
New Delhi.
15. FICCI Higher education Summit 2009 " Imperitives for Higher Education: Inclusion, Expansion &  
Excellence" November 6 & 7, 2009 at New Delhi.
16. **SARC Seminar** on "*S & T Digital Library*" April 2-3, 2009 at Ashoka Hotel, New Delhi.
17. 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.
18. **SARC Seminar** on "*S & T Digital Library*" April 2-3, 2009 at Bangkok, Thialand.
19. Second National Science Conclave of Nobel Laureates, December 8-14, 2009.

20. First National Science Conclave of Nobel Laureates, December 15-21, 2008.
21. The Annual Convention of Chemists (Annual Meet of Indian Chemical Society) held at Vishva Bharti Shanti Niketan, West Bengal, February, 2006 presided.
22. Indo-US workshop on Green Chemistry, January, 2006 (Session Chaired) University of Delhi, Delhi
23. Indian Science Congress Association, January 2005 (Chaired Session), Ahmedabad, Gujrat
24. International Conference on 'Chemistry Biology Interface: Synergistic New Frontiers', Vigyan Bhavan, November 21-26, 2004 chaired
25. The Annual Convention of Chemists (Annual Meet of Indian Chemical Society) held at Department of Chemistry, University of Delhi, , December, 2004 presided.
26. 5<sup>th</sup> Florida Heterocyclic Conference and Course, March 2004 University of Florida, Gainesville, Florida, USA.
27. 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.
28. 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.
29. 40<sup>th</sup> Annual Convention of Chemists, December 25-28, 2003 Bundelkhand University, Jhansi.
30. Gordon Research Conference on Drug Metabolism, July 6-11, 2003 Holderness School, Plymouth, N.H., USA.
31. 4<sup>th</sup> Florida Heterocyclic Conference and Course, March 2003 (*Session Chair*) University of Florida, Gainesville, Florida, USA.
32. 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.
33. Invited Lecture – Future of Bioinorganic Chemistry – from Lab to Clinic Rajasthan University, Jaipur, Jan 9, 2003.
34. Invited Lecture on "Chemistry and Biology of Heme' Indian Science Congress 2<sup>nd</sup> -7<sup>th</sup> January, 2003, Bangalore.
35. 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.
36. Chaired session on Environmental Biochemistry, Toxicology and Micronutrients in Health and Disease 9<sup>th</sup> Asian Pacific Congress of Clinical Biochemistry (APCCB), 9-14<sup>th</sup> March, 2002, New Delhi.
37. Seminar on "Environmental Pollution and Public Health " , February, 2002 Deen Dayal Updhyaya College, University of Delhi, Delhi, India.

38. Second National Conference on Laboratory Medicine (LABCON-2), February, 2002 All Indian Institute of Medical Sciences, New Delhi, India.
39. International Symposium on Leishmaniasis, February, 2002 All Indian Institute of Medical Sciences, New Delhi, India.
40. 2<sup>nd</sup> Florida Heterocyclic Conference and Course, March 2001 (*Session Chair*) University of Florida, Gainesville, Florida, USA.
41. Gordon Research Conference on Drug Metabolism, July 9-14, 2000 Holderness School, Plymouth, N.H., USA.
42. 4<sup>th</sup> Meeting of International Academy of Physical Sciences, Dec. 17<sup>th</sup>, 1999, Allahabad, India.
43. Fourth International Workshop on Chemical and Biological Agents: Detection and Decontamination, September 15-17, 1999, Indian Institute of Technology Research Institute, Chicago, USA.
44. Indo French Symposium on Multiple Drug Resistance and Emerging Diseases February 28-March 4, 1999, INSA, New Delhi, India.
45. ISSX Meeting, October 25-29, 1998, Cairns, Queensland, Australia.
46. 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.
47. 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.
48. 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.
49. American Chemical Society organized Short Course on "Effective Management of Chemical Analysis Laboratories", February 28- March 1, 1998, New Orleans, LA, USA.
50. Pittsburg Conferences in Analytical Chemistry, March 2-7, 1998, New Orleans, LA, USA.
51. 34<sup>th</sup> Annual Convention of Chemists, December 17-20, 1997 Dr. B.R.Ambedkar Center for Biomedical Research, University of Delhi, Delhi - 110 007, India.
52. International Symposium on Fuels and Lubricants, December 8-10, 1997, New Delhi, India.
53. International Conference on Advances in Reproductive Medicine, November 15-18, 1997, Science City, Calcutta, India.
54. 84th Session of Indian Science Congress, January 3-8, 1997, University of Delhi, Delhi – 110 007 (Chaired the Session).
55. International Seminar on Interface between Chemistry & Biology, January 1st, 1997, University of Delhi, Delhi – 110 007, India.
56. International Conference on Clinical and Experimental Lung Research, Nov.20-22, 1996, New Delhi.

57. 7<sup>th</sup> North American ISSX (International Society for the Study of Xenobiotics) Meeting, October 20-24, 1996, San Diego, CA, USA.
58. National Science Day- DBT Sponsored, organised by the Department of Biotechnology, Guru Nanak Dev University, Amritsar, India (delivered Inaugural Address Feb. 28, 1996).
59. International Symposium on Perspective in Bio-organic Chemistry, December 8-9, 1994, New Delhi, India, (Delivered lecture).
60. 6<sup>th</sup> North American ISSX (International Society for the Study of Xenobiotics) Meeting. October 22-27, 1994, Raleigh, North Carolina, USA (Invited).
61. Asian Symposium on Super Critical Fluid Extraction Technology for Natural Products. September 27-29, 1994, Indian Institute of Technology, Delhi.
62. 59.XVth IUBMB (International Congress of Biochemistry and Molecular Biology, September 19-22, 1994, New Delhi, India.
63. Gordon Research Conference on Chemotherapy of Experimental and Clinical Cancer. July 24-29, 1994, Colby Sawyer (South), New Hampshire, USA (Invited with full funds).
64. Gordon Research Conference on Drug Metabolism, July 17-22, 1994, Holderness School, Plymouth, N.H., USA.
65. Gordon Research Conference on Hetrocyclic Compounds, July 10-15, 1994, New Hempton School, N.H., USA.
66. Symposium on Modern Trends in Inorganic Chemistry, August 11-13, 1993, Indian Institute of Science, Bangalore, India.
67. Gordon Research Conference on Drug Metabolism, July 11-16, 1993, Holderness School, Plymouth, N.H., USA. (Invited with full funds).
68. Ninth National Symposium on Analytical techniques for Fossil, Fuel and Lubricants. December 22-24, 1994, New Delhi, India.
69. Gordon Research Conference on Molecular and Ionic Clusters, October 3-9, 1992, Swabian Center, Irsee, Germany. (Invited with travel funds & local hospitality).
70. Gordon Research Conference on Separation and Purifications, August 10-14, 1992, Colby Sawyer College, New London, NH, USA. (Invited with travel funds & local hospitality).
71. UPAC-NOST International Symposium on Enzymes in Organic Synthesis. January 6-9, 1992, New Delhi, India.
72. The Fifth International Kyoto Conference on New Aspects of Organic Chemistry. November 11-15, 1991, Kyoto, Japan. (Invited with travel funds and local hospitality).
73. Manipur Science Congress, September 1991, Imphal, Manipur. (Delivered session lecture).
74. Fifth International Conference on Bioinorganic Chemistry, August 4-10, 1991 University of Oxford, U.K.



75. 10th International Conference on Iron and Iron Proteins (IP10), July 27-31, 1991 Keble College, Oxford, U.K.
76. Gordon Research Conference on Drug Metabolism, July 15-19, 1991 Holderness School, Plymouth, N.H, USA. (Invited with travel funds and local hospitality).
77. Gordon Research Conference on Molecular Pharmacology, June 16-20, 1991, Tilton School, Tilton, N.H, USA.
78. National Seminar on Dr. Ambedkar, Science and Society, March 8-9, 1991, N.P.L, New Delhi. (Organising Secretary of the National Seminar).
79. International Symposium on Current Trends in Chemical Research, January 7- 8, 1991, Delhi. (Organising Secretary of this International symposium).
80. 20th FEBS Meeting (Federation of European Biochemical Societies), August 19-25, 1990, held at Budapest, Hungary, To deliver invited lecture on Metal-Enzyme Interactions.
81. XXVIII International Conference on Coordination Chemistry, August 13-18, 1990, Organised by GDR Academy of Sciences at GERA, GDR.
82. Gordon Research Conference on Drug Metabolism, July 16-22, 1990 Holderness school, Plymouth, N.H, USA (Invited with travel funds and local hospitality).
83. Manipur Science Congress. held at Imphal, March 20-22, 1990 Delivered Plenary Session Lecture Organised by Department of Science & Technology, Government of Manipur.
84. Symposium on Physiology & Photomedicine, February 14-18, 1990, Organised by INMAS, New Delhi.
85. 17th IUPAC Int. Symposium on the Chemistry of Natural Products, February 4-9, 1990, Organised by National Organic Symposium Trust, New Delhi.
86. 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.
87. 32nd IUPAC Congress (International Union of Pure & Applied Chemistry), August 2-7, 1989. Organised by The Royal Society of Chemistry, Stockholm, Sweden.
88. 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.

#### **PAPERS/ ABSTRACTS IN SCIENTIFIC MEETINGS/CONFERENCE**

1. 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)

2. Noscapinoids: New Cancer Therapeutics  
Vartika Tomar and Ramesh Chandra  
International Conference on Obesity and Chronic Disease, Las Vegas, Nevada, USA, July, (2016)
3. Metabolism of Noscapine and Its Analogues  
Vartika Tomar and Ramesh Chandra  
Gordon Research Conference on Drug Metabolism, Holderness School, Holderness, New Hampshire, USA. July, (2015)
4. New Insight for Synthetic Elaboration of Noscapine and its Derivatives as anticancer Drugs  
Ravi Tomar, Akhilesh Kumar Verma and Ramesh Chandra  
International conference on Recent Development in Chemical Sciences: Opportunities for Academia-Industry Collaboration (NDCS-2015), Pilani, Rajasthan, India. October 16-18, (2015)
5. Identification of SFPQ as novel interacting partner of HIV-1 Integrase and its functional characterization  
Souvik Sur, Nirpendra Singh, Navrinder Kaur, Atul Ranjan, Brahm Parkash, **Ramesh Chandra**, and Vibha Tandon  
BMC Infect Dis. 2012; 12(Suppl 1): P80. Published online 2012 May 4.  
[doi:10.1186/1471-2334-12-S1-P80](https://doi.org/10.1186/1471-2334-12-S1-P80)  
First International Science Symposium on HIV and Infectious Diseases (HIV SCIENCE 2012)  
20-22 January 2012, Chennai, India
6. Noscapine Nanotherapeutics: An update  
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
7. 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.
8. Noscapine loaded Nanoparticles: A Promising therapy for Cancer  
**Ramesh Chandra**, Prashant Singh and Pradeep Kumar  
16<sup>th</sup> International Biomedical Science and Technology Symposium, Istanbul, Turkey, September, 28-October, 2, 2010
9. Noscapine loaded Nanoparticles: A Promising therapy for Cancer  
**Ramesh Chandra**, Prashant Singh and Pradeep Kumar

10. 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**

11. 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, 26<sup>th</sup> –31<sup>st</sup> July (**2009**)

12. 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, 26<sup>th</sup> – 29<sup>th</sup> June (**2009**)

13. 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.

14. Role of Metalloporphyrin in modulating malaria induced hemolytic anamia 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**)

15. In vivo effect of AETC on the activity and expression of key regaltory enzymes of glycolysis, gluconeogenesis and distribution of glucose transporter (GLUT4) in streptozotocin induced diabetic rats

P. Anand, P. S. Murthy and **Ramesh Chandra**

ACBR 34<sup>th</sup> Annual conference held at Indian Habitat Centre, Delhi from 15<sup>th</sup> –20<sup>th</sup> December (**2007**)

16. 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.**

First Summer School of Nanotechnology in Advanced Drug Delivery, **2007**, NIPER, Panjab, India.

17. AETC improves glucose homeostasis in streptozotocin induced diabetic rat tissues by reversing the altered glycolytic, gluconeogenic enzymes and tissue glycogen content.  
Y.K. Murali, P. Anand, V. Tandon, **Ramesh Chandra** and P.S. Murthy  
FBR held at ACBR, University of Delhi. 30<sup>th</sup> Nov-2<sup>nd</sup> Dec, **(2006)**
18. Noscapiene, 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.**  
58th Indian Pharmaceutical Congress. Mumbai Dec 1-3, **2006**, India.
19. Design of nanoparticles and microparticles systems for site specific delivery of noscapiene, a novel anticancer agent. Evaluation of various process variables.  
Madan J, Katyal A, Dhiman N, Sardana S, **Chandra R.**  
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20. 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  
ACBR 32<sup>nd</sup> Annual Conference held at Patna, 18<sup>th</sup> –21<sup>st</sup> Dec. **(2005)**
21. Microencapsulation of noscapiene in biodegradable microspheres: evaluation of process variables. Madan J, Katyal A, Sardana S, **Chandra R.**  
57<sup>th</sup> Indian Pharmaceutical Congress. Dec 2-4, **2005**, Hyderabad, India
22. 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 21<sup>st</sup> –26<sup>th</sup> Nov. **(2004)**
23. 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 Frontiers', 21-26 October, Vigyan Bhavan, New Delhi **(2004)**
24. Transdermal delivery of noscapiene 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.

25. 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 Frontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)
26. 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**  
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27. Transdermal Delivery of Noscapine Hydrochloride by Microemulsion  
Jitender Madan, Anju Katyal, S. Sardana and **Ramesh Chandra**  
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28. Euglycemic and Hypolipidemic Effect of 1,2,3,4-Tetrahydroquinoxalin-2-One Based Thiazolidinediones  
Jyoti Chaudhury, Dipti Gupta, N. N. Ghosh, Surendra Sharma and **Ramesh Chandra**  
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29. 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 Frontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)
30. An Efficient Synthesis of Mono and Disubstituted Piperazine Derivatives Using Benzotriazole Methodology  
Akhilesh Verma, Preeti Chaudhary, Rupesh Kumar and **Ramesh Chandra**  
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31. An Efficient Synthesis of 1,2-Disubstituted-6,7-Dimethoxy-1,2,3,4-Tetrahydroisoquinolines  
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International Conference on 'Chemistry Biology Interface: Synergistic New Frontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)

32. A Detailed Evaluation of the Lipid Lowering Activity and the Mechanism of Action of a New Class of Sulphur Containing Compounds  
Sntosh Rai, Meenakshi Shamra, Ritu Aneja, Manisha Tiwari and **Ramesh Chandra**  
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33. Homology Modelling of Anti-Apoptotic Protein BCL-2  
Gurudutta G., Yogersh 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)**
34. 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)**
35. 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)**
36. A Laboratory Based Method for genomic Characterization of *Mycobacterium Avium* Intercllare 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)**
37. 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)**
38. 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 October, Vigyan Bhavan, New Delhi **(2004)**
39. Synthesis and Evaluation of a Novel Dota-AA to Label Biological Vectors for Targetted Radiodiagnosis and Therapy  
Puja Panwar, Vibha Srivastava, **Ramesh Chandra** and Anil Mishra

International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)

40. 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**

International Conference on 'Chemistry Biology Interface: Synergistic New Fontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)

41. Efficacy of a bispecific Antibody Specific to HIV-1 Protease and P24 in the Reduction of the Progression of HIV-1 Infecivity

Sanjay Singh, 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)

42. 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 Fontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)

43. Stem Cell Survival Regulation: An Inducible Roel for Structurally Differed 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 Fontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)

44. 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 Fontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)

45. Preliminary Studies on the Antidiabetic Effect of *Cinnamonum 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 Fontiers', 21-26 October, Vigyan Bhavan, New Delhi (2004)

46. Noscapine, an Opium Alkaloid: Imtilisations 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)

47. 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)
48. 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)
49. 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  
Bundelkhand University, 13-15 January, Jhansi (2004)
50. 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  
Bundelkhand University, 13-15 January, Jhansi (2004)
51. 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)
52. 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)
53. 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)



54. 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)
55. In-vitro antioxidant activity of Ethanolic extract of *Striga orobanchiodes*  
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)
56. 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 Tormogenesis.  
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)
57. 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)
58. 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)
59. 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)
60. 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)
61. Synthesis of N-Alkyl and N-Aryl Piperazine Analogues by using Benzotriazole Methodology.  
Akhilesh Verma, Rupesh Kumar, Preeti Chaudhary and **Ramesh Chandra**

International Conference on Recent Advances in Biomedical and Therapeutic Sciences  
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62. 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)
63. Noscapine 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  
42<sup>nd</sup> Annual meeting for the American Society for Cell Biology, San Francisco, California, Dec 14-18, (2002)
64. 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, 28<sup>th</sup>-30<sup>th</sup> December, Jhansi (2002)
65. 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, 28<sup>th</sup>-30<sup>th</sup> December, Jhansi (2002)
66. Hypoglycemic Activity Evaluation of Heterocyclic Compounds Synthesized by the Reaction of 2,4-Thiazolinedione with substituted O-Phenylendiamines  
Dipti Gupta, N. N. Ghosh, Sulekh Chandra and **Ramesh Chandra**  
National Conference on Emerging Areas in Biomedical Sciences Bundelkhand University, 28<sup>th</sup>-30<sup>th</sup> December, Jhansi (2002)
67. Effect of Differential Dosing of Noscapine 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, 28<sup>th</sup>-30<sup>th</sup> December, Jhansi (2002)
68. 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, 28<sup>th</sup>-30<sup>th</sup> December, Jhansi (2002)

69. Synthesis and Investigation of Mass Spectral Studies on Aryl Substituted N- Carbamoyl. Thiocarbamoyl Narcotine  
Pitton 2002, March 17-22, New Orleans, LA, USA, **(2002)**
70. 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)**
71. Synthesis of Dihydropyridines: As Biocatalyst  
Rakesh Kumar, Anil K. Teotia and **Ramesh Chandra**  
Annual Symposium in Biomedical Sciences, Delhi, April 13-14, **(2001)**
72. 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)**
73. 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)**
74. Effect of Active Principles of *Withania Somnifera* on Anti-stress Activity in Animal Models  
Parvinder Kaur, Manisha Tiwari and **Ramesh Chandra**  
Annual Symposium in Biomedical Sciences, Delhi, April 13-14, **(2001)**
75. Experimental Animal Model for Alcoholic Liver Disease  
Charu Mehra, **Ramesh Chandra** and Anju Katyal  
Annual Symposium in Biomedical Sciences, Delhi, April 13-14, **(2001)**
76. Isolation and Purification of Various Sesquiterpenoids from the Rhizome of *Curcuma Longa* by High Performance Liquid Chromatography  
Pratibha Mehta Luthra, Rambir Singh and **Ramesh Chandra**  
Annual Symposium in Biomedical Sciences, Delhi, April 13-14, **(2001)**
77. Use of the Active Principles of *Withania Somnifera* to Treat Skin Carcinoma  
Sheenu Mathur, Manisha Tiwari and **Ramesh Chandra**  
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78. Synthesis of N-substituted Derivatives of Noscapine and Related Compounds  
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80. Co-administration of Tin-Protoporphyrin (SnPP) Reverses the Melatonin Induced Decline of Cytochrome P450 Content *in vivo* in Rats  
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81. Synthesis of Dihydropyridines: As Biocatalyst  
Rakesh Kumar, Anil Kumar Teotia and **Ramesh Chandra**  
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82. Synthesis of Substituted, 1,24-Oxadiazole: A Potent Cortical Muscarinic Receptor Agonist  
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87. Tin -mesoporphyrin in conjunction with retinoic Acid Reverses The Retinoic Acid Induced Enhancement of Phospholipase A2 Activity *in vivo* in Rats  
**Ramesh Chandra** and Manisha Tiwari  
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88. Synergistic Effect of Riboflavin and ron -Mesoporphyrin on Hepatic Glutathione-S-Transferase Activity in Rats

**Ramesh Chandra** and Ritu Jain

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89. Synthesis of D -(-)-p-hydroxyphenyl glycine, a key intermediate in the commercial production of semisynthetic penicillins and cephalosporins

**Ramesh Chandra** and Akhilesh K. Verma

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Vibha Tandon, **Ramesh Chandra** and Charu Rewal (2000)

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**Ramesh Chandra**, Deepali Jain, Anjana Sarkar and Sulekh Chandra

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**Ramesh Chandra**, Ritu Aneja and Archana Sharma  
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**Ramesh Chandra**  
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