



Faculty Details proforma for DU Web-site

Title	Professor	First Name	Madan	Last Name	Chaturvedi	Photograph
Designation	Professor					
Department	Zoology					
Address (Campus)	Laboratory for Chromatin Biology Department of Zoology University of Delhi (North Campus), Delhi -110007					
(Residence)	B-1305, Tower-B, Express Zenith, Sector-77, NOIDA -201301 (UP)					
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Web-Page	http://people.du.ac.in/~mmchaturvedi/					
Education						
Subject	Institution	Year	Details			
Ph.D. (Zoology – Biochemistry)	Banaras Hindu University	1984	Thesis topic: “Structural & Functional Analysis of Chromatin of the Brain of Rat as Function of Age”			
M.Sc. (Zoology – Biochemistry)	Banaras Hindu University	1978	Subjects: Zoology with specialization in Biochemistry			
B.Sc. (Chemistry Hons)	Banaras Hindu University	1976	Subjects: Chemistry (Hons.), Botany, Zoology			
Career Profile						
Organisation / Institution	Designation	Duration	Role			
University of Delhi, Department of Zoology	Professor	Since May 2003	Teaching & Research, and contribution in corporate segment of the University			
University of Delhi	Head, Department of Zoology	From January 2nd 2017 to 1st Jan 2020	Administrative & Academic			
University of Delhi	Dean (Research) Life Sciences	From July 06, 2012 to Nov. 21, 2016	Administrative			
Cluster Innovation Center University of Delhi	Director	From July 17, 2012 to Nov. 21, 2016	Administrative & Academic			
Cluster Innovation Center University of Delhi	Program Coordinator	From Nov. 01, 2011 to July 17, 2012	Administrative & Academic			
Institute of Lifelong Learning (ILL), Center for Professional Development in Higher Education (CPDHE), University of Delhi	Director (ILL) Director (CPDHE)	From December 15, 2010 to July 03, 2012	Administrative and Academic			
University of Texas, MD Anderson Cancer Center, Houston, TX, USA	Visiting Professor	May –August 2006; May-July, 2007, 2010	Research			

Banaras Hindu University, Varanasi, Dept. of Zoology	Reader	July 1998-May 2003	Teaching & Research, and contribution in corporate segment of the University
University of Texas, MD Anderson Cancer Center, Houston, TX, USA	Visiting Scientist	March 1993 to August 1994; Nov 1996 & May to July 1998	Research
Banaras Hindu University, Varanasi, Dept. of Zoology	Lecturer	July 1987-July 1998	Teaching & Research, and contribution in corporate segment of the University
University of Zurich, Switzerland, Inst. of Molecular Biology	Research Assistant	July 1986-July 1987	Research
Banaras Hindu University, Varanasi, Dept. of Zoology	Research Associate	July 1984-July 1986	Research and to Assist in Teaching

Research Interests / Specialization

Specialization- Biochemistry & Molecular Biology

Research Interest – (1) Chromatin Remodeling and regulation of gene expression

(2) Mechanism of Cytokine action and Signal Transduction, Inflammation and Cancer

(3) Epigenetic regulation during liver regeneration

Teaching Experience (Subjects/Courses Taught)

33 years

Teaching Biochemistry, Molecular Biology and Molecular Genetics at Postgraduate level since 1987

Extensive Experience in Online Teaching since March 2020 – Expert in using various platforms, such as, Google Class Room and online video lecture platforms Google-Meet, Zoom, Microsoft-Team, Go-to-Meet etc.

Expert in Online Assessment using Google Form and other assessment methods.

Honors & Awards

Honors & Awards:

- 2016 Elected, President of Indian Association of Teachers in Biological Sciences for the year 2016-onwards.
- 2011 Elected Fellow of the National Academy of Sciences, India
- 2010 Visiting Professor, The University of Texas, MD Anderson Cancer Center, USA
- 2007 Visiting Professor, The University of Texas, MD Anderson Cancer Center, USA
- 2006 Visiting Professor, The University of Texas, MD Anderson Cancer Center, USA.
- 1998 Visiting Scientist, Fellowship, The University of Texas, MD Anderson Cancer Center, USA.
- 1996 Visiting Scientist, The University of Texas, MD Anderson Cancer Center, USA.
- 1995 Man of the Year, American Biographical society, Raleigh, NC, USA.
- 1993 Clayton Foundation Fellowship, MD Anderson Cancer Center, University of Texas, Houston, USA.
- 1992 Diamond Jubilee Fellowship, The National Academy of Science, India.
- 1991 Asian Molecular Biology Organization Short term Fellowship, Tokyo, Japan.
- 1988 Indian National Science Academy Young Scientist Medal.
- 1986 Swiss National Science Foundation Fellowship, University of Zurich, Switzerland.
- 1984 'Tilak' Award for best paper presentation in Association of Gerontology (India) Conference at Tirupati.
- 1978 Gold Medal and a certificate for standing First in M.Sc.(Zoology), BHU, Varanasi.
- 1978 Prof. A.B. Mishra Award for standing First in M.Sc.(Zoology), BHU, Varanasi.
- 1978 Shri R.K. Reddy Award for securing highest marks in Biochemistry Spl. Paper M.Sc. (Zoology), BHU, Varanasi.
- 1977 Certificate of Merit for standing First in M.Sc.(Prev.) Zoology, BHU, Varanasi.

Recognitions:

- 2020. Member, Indo Australia Biotechnology Forum Review Board, Department of Biotechnology, Govt. of India, New Delhi
- 2020. External Member of School Board, School of Life Sciences, Mizoram University, Aizawl.
- 2020 External member, DRC, AIMMSCR, Amity University, NOIDA.
- 2020. External member of Board of Studies, AIMMSCR, Amity University, NOIDA.

- 2019 Member, DBT National RA Selection and Review Committee, Govt. of India.
2019. External Member, Board of Studies in Zoology, University of Allahabad, (UP).
2019. External member, Board of Studies in Zoology, HS Gaur University, Sagar (MP)
- 2018-19 Member, PAC in Animal Sciences, Department of Science and Technology, Govt. of India, New Delhi.
2018. External member, Board of Studies in Zoology, Banaras Hindu University, Varanasi (UP).
2018. Academic Council Subject Expert, National Resource Center in Zoology, HS Gaur University, Sagar (MP).
- 2017- External member of Board of Research Studies, North Eastern Hill University, Shillong, Meghalaya.
- 2017 Member of Board of Governors, Member of Managing Committee, GSFC Univ. Vadodara, Gujarat.
- 2016 Member of CPCSEA, Min. of Environment & Climate Change, Govt. of India
- 2014 External Member, School board, School of Life sciences, University of Hyderabad.
- 2013 External Member, School Board, School of Life Sciences, North Eastern Hill University, Shillong.
- 2013 External member, Department Advisory Board (DAB) of Department of Education in Science and Mathematics , NCERT, New Delhi
- 2013 Member, National Academic Core Committee, International Junior Science Olympiad, 2013
- 2012 - Member, Editorial Board, Journal of Oncolytic Virology.
- 2012 - External Member, Board of Studies, Department of Biosciences, Jamia Millia Islamia, New Delhi
- 2012 - External Member, Board of Studies, Department of Zoology, Banaras Hindu University, Varanasi
- 2012 - External Member, Board of Studies, Department of Molecular & Human Genetics, Banaras Hindu Univ., Varanasi
- 2011 - Member, Steering Committee, Universitas 21 Teaching and Learning Network, USA
- 2011 - Team –Leader, International Biology Olympiad held at Taipei City, Chinese Taipei in July 2011.
- 2010 Chairman, Technical Committee, Inst. of Cytology & Preventive Oncology (ICMR), NOIDA (UP), India.
- 2009 – cont. Member Coordinator and Chairperson of various Peer-Team of NAAC (UGC), Bangalore
- 2009 External Member, Board of studies of Indian Institute of Science Education & Research (IISER), Bhopal.
- 2009 Elected, Vice-president of Indian Association of Teachers in Biological Sciences for the year 2009-16.
- 2011 - Team –Leader, International Biology Olympiad held at Tsukuba City, Japan in July 2009.
- 2008 Elected, Vice-president of Indian Society of Cell Biology for the year 2009-11
- 2008 External member of Special Committee, School of Life Science, Jawaharlal Nehru University, New Delhi, 2008-11.
- 2008 External Member of Board of Studies, Department of Zoology, Banaras Hindu University, Varanasi
- 2007 Member, National Academic Committee, IBO 2008, Homi Bhabha Center for Science Education, TIFR, Mumbai.
- 2006-09 Member for Academic Council, Jawaharlal Nehru University, New Delhi.
- 2007-09 Member, Board of Studies, Dept. of Molecular & Human Genetics, Banaras Hindu University, Varanasi.
- 2005-08 Member, Technical Committee, ICMR Institute of Cytology and Preventive Oncology, Noida (UP).
- 2006-08 Member, Technical Committee, National Institute of Biologicals, (Ministry of Health & Family Welfare), Noida (UP).
- 2004-07 Member, Board of Studies, Department of Zoology, North Eastern Hill University, Shillong (Meghalaya).
- 2004-05 Member, Board of Studies, Dept. of Genetics, Barkatulla University of Bhopal (MP).
- 2003-04 External Member, Board of Studies, Dept. of Biochemistry, HNB University, Gharwal (Uttaranchal).
- 2003 Member, Expert Committee for revision of syllabus of National Eligibility Test (NET) conducted by Council of Scientific and Industrial Research, New Delhi, India.
- 2002-03 & 05-09 Elected Council Member of Indian Society of Cell Biology.
- 1996-2000 Elected as Secretary of Association of Gerontology (India).
- 1999-2003 Elected as Convener of Society of Biological Chemists (India), Varanasi Chapter.
- 1993-1996 Elected as Treasurer of Association of Gerontology (India).
- 1984-1986 & 1988-92. Elected as Editor of Association of Gerontology (India)

Chaired many Scientific sessions at International and National Conferences and Symposia.

Publications (LAST FIVE YEARS)

Review Articles

<u>Year of Publication</u>	<u>Title</u>	<u>Publisher</u>	<u>Co-Author</u>
2020	Attaining Epigenetic Rejuvenation: Challenges Ahead	In: <u>Models, Molecules and Mechanisms in Biogerontology</u> pp 159-179. https://link.springer.com/book/10.1007/978-981-32-9005-1	Purohit, JS., Neetika Singh, Shah S. Hussain and Chaturvedi, MM

2016	Chromatin and Aging	In book: Topics in Biomedical Gerontology (Springer), pp.205-241 DOI: 10.1007/978-981-10-2155-8_11	Purohit, JS, and Chaturvedi MM
<u>In Indexed/ Peer Reviewed Journals (Last FIVE years)</u>			
2017	Characterization of the N-terminally clipped histone H3(Δ H3) from old chicken and rat liver	Neetika Singh , Jogeswar S Purohit1, S Shanti , Abhilasha Singh, Anil K Panigrahi, Madan M Chaturvedi	Int J Clin Exp Pathol 2017;10(5):5334-5342
2016	Differential Expression of SWI/SNF Chromatin Remodeler Subunits Brahma and Brahma-Related Gene During Drug-Induced Liver Injury and Regeneration in Mouse Model	Sinha S, Verma S, Chaturvedi MM	DNA Cell Biol. 2016 Apr 20
2013	Chicken liver glutamate dehydrogenase (GDH) demonstrates a histone H3 specific protease (H3ase) activity in vitro	Purohit JS, Tomar RS, Panigrahi AK, Pandey SM, Singh D, Chaturvedi MM	Biochimie. 2013 Nov;95(11):1999-2009
2012	3,4-Dimethoxyphenyl bis-benzimidazole derivative, mitigates radiation-induced DNA damage	<i>Radiat Res.</i> , 179 :647-62	Ranjan A, Kaur N, Tiwari V, Singh Y, Chaturvedi MM, Tandon V
2012	Sex-dependent effects of the UCP1-3826 A/G polymorphism on obesity and blood pressure	<i>Ethn Dis.</i> , 22:181-4.	Dhall M, Chaturvedi MM, Rai U, Kapoor S
2011	Characterization of nuclear glutamate dehydrogenase of chicken liver and brain.	<i>Protein Pept Lett.</i> 2011 Dec;18(12):1194-203	Panda P, Suar M, Singh D, Pandey SM, Chaturvedi MM, Purohit JS.
2010	An Irreversible Modification of Histone H3 - Identification and Characterization of Histone H3-specific Protease from Chicken Liver.	FASEB J. 24 (2010), LB64.	Madan Mohan Chaturvedi, Jogeswar S Purohit, Raghuvir Singh Tomar and Anil K Panigrahi.
<u>Visits abroad and Invited Lectures (Last FIVE Years)</u>			
2015	Member of academic delegation representing University of Delhi during state visit of Hon'ble President of India to Jordan, Palestine and Israel from October 10 to 15, 2015.		
2015	Member of Delegation from University of Delhi to visit Univ. of Houston, MD Anderson Cancer Center, Univ. of Texas, USA from July 26-August 4, 2015, and Imperial College London, and Kings College London, UK from August 5 to 8, 2015 to discuss academic Collaboration		
2015	U21 Presidents and Students Summit at Pontificia Universidad, Santiago, Chile from May 05 to 07, 2015.		
2013	Invited to World Conference on Global Innovation, Organized by Human Life Advancement Foundation, Kuala Lumpur, Malaysia, March 26-27, 2013.		
2013	Member of delegation of University of Delhi led by the Vice Chancellor to visit King's University, London, Imperial College London, Open University, Milton Keynes, University of Warwick, and University of Edinburg from March 3 to 10, 2012.		

- 2012 Member of Delegation as University of Delhi nominee to Ministry of External Affairs committee for visit to Pan-African University –Life Sciences and Earth Sciences Institute (PAULESI), University of Ibadan, Nigeria; and African Union at Ethiopia from April 26-28, 2012.
- 2013 Invited lecture in DST-ISPIRE camp organized at Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, from July 16-20, 2013.
- 2012 Invited lecture in DST-ISPIRE camp organized at Hans Raj College, University of Delhi, December 17-21, 2012.
- 2012 Invited lecture in DST-ISPIRE camp organized at Desh Bandhu College, University of Delhi, October 1-5, 2012.
- 2011 Invited lecture in DST-ISPIRE camp organized at North Eastern Hill University, Shillong, Meghalaya, December 13-17, 2011.
- 2011 U21 Teaching Learning Network meeting at University of British Columbia, Vancouver, Canada, November 3-4, 2011.
- 2010 Invited lecture at Department of Physiology and Genetics, Tulane University School of Medicine, New Orleans, LA 70112, USA; July 07, 2010.
- 2010 Inaugural Lecture at 4th National Conference on Recent Trends in Chemistry at JA College of Women, Periakulam (Tamil Nadu), Feb. 18-19, 2010.
- 2010 Invited Lecture at “XIII Transcriptional Assembly Meeting” at School of Life Sciences, Jawaharlal Nehru University, New Delhi from February 26-28, 2010.
- 2010 Invited Lecture at 3rd Convention of Indian Association of Teachers in Biological Sciences, NES Ratnam College, Mumbai, Feb.

Total Publication Profile optional

In Indexed/ Peer Reviewed Journals – 71 papers

1. Purohit, JS., Neetika Singh, Shah S. Hussain and Madan M. Chaturvedi (2020) Attaining Epigenetic Rejuvenation: Challenges Ahead. In: Models, Molecules and Mechanisms in Biogerontology pp 159-179. <https://link.springer.com/book/10.1007/978-981-32-9005-1>.
2. Purohit, JS, and Chaturvedi MM, (2018) Chromatin and Aging. In book: Topics in Biomedical Gerontology (Springer), pp.205-241 DOI: 10.1007/978-981-10-2155-8_11
3. Neetika Singh , Jogeswar S Purohit1, S Shanti , Abhilasha Singh, Anil K Panigrahi, Madan M Chaturvedi. Characterization of the N-terminally clipped histone H3(ΔH3) from old chicken and rat liver. *Int J Clin Exp Pathol* 2017;10(5):5334-5342.
4. Purohit, JS, Chaturvedi , MM. Chromatin and Aging. In book: Topics in Biomedical Gerontology (Springer), pp.205-241 (2016)
5. Sinha S, Verma S, Chaturvedi MM. Differential Expression of SWI/SNF Chromatin Remodeler Subunits Brahma and Brahma-Related Gene During Drug-Induced Liver Injury and Regeneration in Mouse Model. *DNA Cell Biol.* 2016 Apr 20. [Epub ahead of print] PMID:27097303
6. Purohit JS, Tomar RS, Panigrahi AK, Pandey SM, Singh D, Chaturvedi MM (2013) Chicken liver glutamate dehydrogenase (GDH) demonstrates a histone H3 specific protease (H3ase) activity in vitro. *Biochimie.* 2013 Nov;95(11):1999-2009.
7. Ranjan A, Kaur N, Tiwari V, Singh Y, Chaturvedi MM, Tandon V. (2012) V. 3,4-Dimethoxyphenyl bis-benzimidazole derivative, mitigates radiation-induced DNA damage. *Radiat Res.*, 179 : 647-62.
8. Dhall M, Chaturvedi MM, Rai U, Kapoor S. (2012) Sex-dependent effects of the UCP1-3826 A/G polymorphism on obesity and blood pressure. *Ethn Dis.*, 22:181-4.
9. Madan Mohan Chaturvedi, Jogeswar S Purohit, Raghuvir Singh Tomar, Anil K Panigrahi (2010) An Irreversible Modification of Histone H3-Identification and Characterization of Histone H3-specific Protease from Chicken Liver. *The FASEB J.* 24, IB64.
10. Panda P, Suar M, Singh D, Pandey SM, Chaturvedi MM, Purohit JS.Characterization of Nuclear Glutamate Dehydrogenase of Chicken Liver and Brain. *Protein Pept Lett.* 2011 Jul 5. [Epub ahead of print] PubMed PMID: 21728989.
11. Aggarwal BB, Prasad S, Reuter S, Kannappan R, Yadav VR, Park B, Kim JH, Gupta SC, Phromnoi K, Sundaram C, Prasad S, Chaturvedi MM, Sung B. Identification of novel anti-inflammatory agents from Ayurvedic medicine for prevention of

- chronic diseases: "reverse pharmacology" and "bedside to bench" approach. *Curr Drug Targets*. 2011 Oct;12(11):1595-653. PubMed PMID: 21561421; PubMed Central PMCID:PMC3170500.
12. Chaturvedi MM, Sung B, Yadav VR, Kannappan R, Aggarwal BB. NF- κ B addiction and its role in cancer: 'one size does not fit all'. *Oncogene*. 2011 Apr 7;30(14):1615-30. Epub 2010 Dec 20. Review. PubMed PMID: 21170083; PubMed Central PMCID: PMC3141287.
 13. Reuter S, Prasad S, Phromnoi K, Ravindran J, Sung B, Yadav VR, Kannappan R, Chaturvedi MM, Aggarwal BB. Thiocolchicoside exhibits anticancer effects through downregulation of NF- κ B pathway and its regulated gene products linked to inflammation and cancer. *Cancer Prev Res (Phila)*. 2010 Nov;3(11):1462-72. Epub 2010 Oct 26. PubMed PMID: 20978115; PubMed Central PMCID: PMC3142676.
 14. Reuter S, Gupta SC, Chaturvedi MM, Aggarwal BB. Oxidative stress, inflammation, and cancer: how are they linked? *Free Radic Biol Med*. 2010 Dec 1;49(11):1603-16. Epub 2010 Sep 16. Review. PubMed PMID: 20840865; PubMed Central PMCID: PMC2990475.
 15. Gupta SC, Prasad S, Reuter S, Kannappan R, Yadav VR, Ravindran J, Hema PS, Chaturvedi MM, Nair M, Aggarwal BB. Modification of cysteine 179 of IkappaB α kinase by nimbolide leads to down-regulation of NF-kappaB-regulated cell survival and proliferative proteins and sensitization of tumor cells to chemotherapeutic agents. *J Biol Chem*. 2010 Nov 12;285(46):35406-17. Epub 2010 Sep 9. PubMed PMID:20829362; PubMed Central PMCID: PMC2975164.
 16. Madan Mohan Chaturvedi, Jogeswar S Purohit, Raghuvir Singh Tomar and Anil K Panigrahi (2010) An Irreversible Modification of Histone H3 - Identification and Characterization of Histone H3-specific Protease from Chicken Liver. *FASEB J*. 26, LB64.
 17. Kannappan R, Ravindran J, Prasad S, Sung B, Yadav VR, Reuter S, Chaturvedi MM, Aggarwal BB. γ -Tocotrienol Promotes TRAIL-Induced Apoptosis through Reactive Oxygen Species/Extracellular Signal-Regulated Kinase/p53-Mediated Upregulation of Death Receptors. *Mol Cancer Ther*. 2010 Aug;9(8):2196-207. Epub 2010 Aug 3. PMID: 20682650 [PubMed - in process]
 18. Nair HB, Sung B, Yadav VR, Kannappan R, Chaturvedi MM, Aggarwal BB. Delivery of anti inflammatory nutraceuticals by nanoparticles for the prevention and treatment of cancer. *Biochem Pharmacol*. 2010 Jul 20. [Epub ahead of print] PubMed PMID: 20654584.
 19. Prasad S, Phromnoi K, Yadav VR, Chaturvedi MM, Aggarwal BB. Targeting Inflammatory Pathways by Flavonoids for Prevention and Treatment of Cancer. *Planta Med*. 2010 Aug;76(11):1044-1063. Epub 2010 Jul 15. PubMed PMID: 20635307.
 20. Agrawal V, Jaiswal MK, Chaturvedi MM, Tiwari DC, Jaiswal YK. Lipopolysaccharide alters the vaginal electrical resistance in cycling and pregnant mice. *Am J Reprod Immunol*. 2009 Feb;61(2):158-66.
 21. Jaiswal YK, Jaiswal MK, Agrawal V, Chaturvedi MM. Bacterial endotoxin (LPS)-induced DNA damage in preimplanting embryonic and uterine cells inhibits implantation. *Fertil Steril*. 2009 May;91(5 Suppl):2095-103.
 22. Ahn KS, Sethi G, Chaturvedi MM, Aggarwal BB. Simvastatin, 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitor, suppresses osteoclastogenesis induced by receptor activator of nuclear factor-kappaB ligand through modulation of NF-kappaB pathway. *Int J Cancer*. 2008 Oct 15;123(8):1733-40.
 23. Sethi G, Ahn KS, Sung B, Kunnumakkara AB, Chaturvedi MM, Aggarwal BB. SH-5, an AKT inhibitor potentiates apoptosis and inhibits invasion through the suppression of anti-apoptotic, proliferative and metastatic gene products regulated by IkappaB α kinase activation. *Biochem Pharmacol*. 2008 Dec 1;76(11):1404-16.
 24. Pandey MK, Sung B, Kunnumakkara AB, Sethi G, Chaturvedi MM, Aggarwal BB. Berberine modifies cysteine 179 of IkappaB α kinase, suppresses nuclear factor-kappaB-regulated antiapoptotic gene products, and potentiates apoptosis. *Cancer Res*. 2008 Jul 1;68(13):5370-9.
 25. Sung B, Pandey MK, Ahn KS, Yi T, Chaturvedi MM, Liu M, Aggarwal BB. Anacardic acid (6-nonadecyl salicylic acid), an inhibitor of histone acetyltransferase, suppresses expression of nuclear factor-kappaB-regulated gene products involved in cell survival, proliferation, invasion, and inflammation through inhibition of the inhibitory subunit of nuclear factor-kappaB α kinase, leading to potentiation of apoptosis. *Blood*. 2008 May 15;111(10):4880-91.

26. Sung B, Pandey MK, Nakajima Y, Nishida H, Konishi T, *Chaturvedi MM*, Aggarwal BB. Identification of a novel blocker of I κ B α kinase activation that enhances apoptosis and inhibits proliferation and invasion by suppressing nuclear factor- κ B. *Mol Cancer Ther.* 2008 Jan;7(1):191-201.
27. Ahn KS, Gong X., Sethi G, *Chaturvedi MM*, Jaiswal, A.K., and Aggarwal BB (2007) Deficiency of NRH: quinone oxidoreductase-2 differentially regulates tumor necrosis factor signaling in keratinocytes: Up-regulation of apoptosis correlates with down-regulation of cell survival kinases. *Cancer Res.* 67(20):10004-11.
28. Takada Y, Sung B, Sethi G, *Chaturvedi MM*, and Aggarwal BB (2007) Evidence that genetic deletion of the TNF receptor p60 or p80 inhibits Fas mediated apoptosis in macrophages. *Biochem Pharmacol.* 74(7):1057-64.
29. Pandey MK, Sung B, Ahn KS, Kunnumakkara AB, *Chaturvedi MM*, Aggarwal BB (2007) Gambogic acid, a novel ligand for transferrin receptor, potentiates TNF-induced apoptosis through modulation of the nuclear factor- κ B signaling pathway. *Blood* 110(10):3517-25.
30. Ahn KS, Sethi G, *Chaturvedi MM*, Palladino MA, Younes A, Aggarwal BB (2007) Salinosporamide A (NPI-0052) potentiates apoptosis, suppresses osteoclastogenesis, and inhibits invasion through downmodulation of NF- κ B-regulated gene products. *Blood* 110(7):2286-95.
31. Sethi G, Ahn KS, *Chaturvedi MM*, Aggarwal BB (2007) Epidermal growth factor (EGF) activates nuclear factor- κ B through I κ B α kinase-independent but EGFR-kinase dependent tyrosine 42 phosphorylation of I κ B α . *Oncogene* 26(52):7324-32 .
32. Shishir Shishodia, *Madan M. Chaturvedi*, and Aggarwal BB (2007) Role of Curcumin in Cancer Therapy. *In Current Problems in Cancer Research*, July-Aug; 31(4); 243-305.
33. Jaiswal, Y.K., Jaiswal, M.K., Agarwal, V., *Chaturvedi, M.M.* and Deb. K. (2007) Maternal Gram-negative bacterial infection induced apoptosis of implanting blastocyst. *J. Turkish-German Gynecol. Assoc.* 8, 190-193.
34. Shishir Shishodia, Tulika Singh, and *Madan M. Chaturvedi* (2007) Modulation of Transcription Factors By Curcumin. *Adv Exp Med Biol.* 595:127-48.
35. Jackson-Bernitsas DG, Ichikawa H, Takada Y, Myers JN, Lin XL, Darnay BG, *Chaturvedi MM*, Aggarwal BB (2007) Evidence that TNF-TNFR1-TRADD-TRAF2-RIP-TAK1-IKK pathway mediates constitutive NF- κ B activation and proliferation in human head and neck squamous cell carcinoma. *Oncogene.* 26(10):1385-97.
36. Sethi G, Ahn KS, Sandur SK, Lin X, *Chaturvedi MM*, Aggarwal BB (2006) Indirubin enhances tumor necrosis factor-induced apoptosis through modulation of nuclear factor- κ B signaling pathway. *J Biol Chem.* 281(33):23425-35.
37. Jaiswal Y. K., *Chaturvedi, M.M.* and Deb.K. (2006) Effect of Bacterial Endotoxins on Superovulated Mouse Embryos In Vivo: Is CSF-1 Involved in Endotoxin-Induced Pregnancy Loss? *Infect Dis Obstet Gynecol.* 2006 Sep;14(3):32050.
38. Deb. K., *Chaturvedi, M.M.* and Jaiswal, Y.K. (2005) Gram-negative bacterial LPS induced poor uterine receptivity and implantation failure in mouse: alterations in IL-1 β expression in the preimplantation embryo and uterine horns. *Infect Dis Obstet Gynecol.* 13,125-33.
39. Deb. K., *Chaturvedi, M.M.* and Jaiswal, Y.K. (2004) A minimum dose of lipopolysaccharide required for implantation failure: Assessment of its effect on the maternal reproductive organs and interleukin-1 α expression in the mouse. *Reproduction*, 128, 87-97.
40. Deb. K., *Chaturvedi, M.M.* and Jaiswal, Y.K. (2004) Gram-negative bacteria endotoxin induced infertility: A birds eye view. *Gynecol. & Obstet Investigation*, 57, 224-232.
41. Deb. K., *Chaturvedi, M.M.* and Jaiswal, Y.K. (2004) Comprehending the role of LPS in Gram-negative bacterial vaginosis: Ogling into the causes of unfulfilled child-wish. *Arch. Gynecol. Obstet.* 270, 133-146.
42. Panigrahi, A., Tomar, R.S., and *Chaturvedi, M.M.* (2003) A SWI/SNF-like factor from chicken liver that disrupts nucleosome and transfers histone octamers in cis and trans. *Arch. Biochem. Biophys.*, 414, 24-33.
43. Panigrahi, A. Tomar R.S. and *Chaturvedi M.M.* (2003) Mechanism of nucleosome remodeling by SWI/SNF-like Complex from chicken liver. *Biochem. Biophys. Res. Commun.* 316, 72-78.

44. Chainy, G.B.N., Manna, S.K., *Chaturvedi M.M.* and Aggarwal, B.B. (2000) Anethol blocks both early and late responses transduced by tumor necrosis factor: effect on NF- κ B, AP-1, JNK, MAPKK and Apoptosis. *Oncogene*, 19, 2943-2950.
45. *Chaturvedi M.M.*, Mukhopadhyaya, A., and Aggarwal, B.B. (2000) Assay of Redox Sensitive Transcription Factors. *Methods in Enzymology*, 319, 585-602.
46. Krishnamoorthy, R., Crawford, M., *Chaturvedi M.M.*, Jain, S., Aggarwal, B.B., Al-Ubaidi, M., and Agarwal, N. (1999) Photo-oxidative stress downmodulates the activity of nuclear factor NF- κ B leading to apoptosis of photoreceptor cells. *J. Biol. Chem.* 274, 3734-3743.
47. F Rocha, C Bueso-Ramos, MM Chaturvedi, BB Aggarwal.(1998) Constitutive activation of NF-kappa B in patients with acute and chronic leukemia. *BLOOD* 92 (10), 204B-205B
48. Natarajan K., Manna S. K., *Chaturvedi M. M.*, and Aggarwal B. B.(1998) Protein Tyrosine Kinase Inhibitors Block TNF-Induced Activation of NF- κ B, Degradation of I κ B α , Nuclear Translocation of p65 and Subsequent Gene Expression. *Arch. Biochem. Biophys.* 352, 59-70.
49. Mukherjee R., Singh S., *Chaturvedi M M.*, and Aggarwal B. B. (1998) Evidence For Synergistic Role of Two Types of Human Tumor Necrosis Factor Receptors For the Ligand-Dependent Activation of the Nuclear Transcription Factor NF- κ B. *J. Interferon and Cytokine Res.* 18, 117-123.
50. *Chaturvedi, M.M.*, Kumar, A., Darnay, B.G., Chainy, G.B.N., Agarwal, S., and Aggarwal, B.B. (1997) Sanguinarine (Pseudochecherythrine) is a potent inhibitor of NF- κ B activation, I κ B phosphorylation and degradation. *J. Biol. Chem.*, 272, 30129-30134.
51. *Chaturvedi, M.M.* and Aggarwal, B.B. (1997) Tumor necrosis factor and Lymphotoxin differ in inducing differentiation of myeloblastic leukemic cells. In: *Molecular Biology of Development and Aging*, Ed: Kanungo, M.S., New Age International Ltd. Publishers, New Delhi, pp. 213-223.
52. *Chaturvedi, M.M.* and Aggarwal, B.B. (1996) Reduced response of senescent human foreskin diploid fibroblasts to tumor necrosis factor (TNF) is not due to loss or defect in TNF-receptor. In: *Aging- Indian Perspective and Global Scenario*, Ed: Kumar, V.; pp 433-435.
53. Darnay, B.G., *Chaturvedi, M.M.*, Singh S., and Aggarwal, B.B. (1995) The p60 TNF Receptor-Associated Kinase (TRAK) binds residues 344-397 within the cytoplasmic domain involved in TNF signaling. *J. Biol. Chem.*, 270: 14867-14870.
54. Totpal K., *Chaturvedi, M.M.*, and Aggarwal, B.B. (1995) Retinoids down-regulate both p60 and p80 forms of tumor necrosis factor receptors in human histiocytic lymphoma U-937 cells. *Blood*: 3547-3555.
55. Aggarwal, B.B., Totpal, K., LaPushin, R., *Chaturvedi, M.M.*, Pereira-Smith, O.M., and Smith, J.R. (1995) Diminished responsiveness of senescent normal human fibroblasts to TNF-dependent proliferation and interleukin production is not due to its effect on the receptors or on the activation of a nuclear factor NF- κ B. *Exp. Cell Res.* 218, 381-388.
56. *Chaturvedi, M.M.*, Higuchi, M., and Aggarwal, B.B. (1994) Effect of Tumor necrosis factors, Interferons, Interleukins, and growth factors on the activation of NF- κ B: Evidence for lack of correlation with cell proliferation. *Lymph. Cyto. Res.* 13, 309-313.
57. Naz, R.K., *Chaturvedi, M.M.*, and Aggarwal, B.B. (1994) Role of cytokines and proto-oncogenes in sperm cell function: Relevance to Immunologic Infertility. *Amm. J. Rep. Immun.* 32, 26-37.
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59. *Chaturvedi, M.M.*, LaPushin, R., and Aggrawal, B.B. (1994) Tumor necrosis factor and lymphotoxin: Qualitative and quantitative differences in mediation of early and late cellular response. *J. Biol. Chem.* 269, 14575-14583.
60. Zhang, L., Higuchi, M., Totpal, K., *Chaturvedi, M.M.*, and Aggarwal, B.B. (1994) Staurosporine induces the cell surface expression of both forms of human tumor necrosis factor receptors on myeloid and epithelial cells and modulate ligand-induced cellular responses. *J. Biol. Chem.* 269, 10270-10279.
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63. Chaturvedi, M., Hug, H., Wherli, M., MacDonald, M., Kuhl, D., Meyer, F., Aebi, M. and Weissmann, C. (1988). Tetrameric hexanucleotides that mediate silencing and inducibility by virus and by interferon. *Experientia* 44, A55.
64. Kuhl, D., de la Fuente, J., Chaturvedi, M., Parimoo, S., Ryals, J., Meyer, F. and Weissmann, C. (1987). Reversible silencing of enhancers by sequences derived from the human IFN- α 1 promoter. *Cell*:50, 1057-1069.
65. Chaturvedi, M.M. and Kanungo, M.S. (1985). Analysis of conformation and function of the chromatin of the brain of young and old rats. *Molec. Biol. Rep.* 10, 215-219.
66. Chaturvedi, M.M. and Kanungo, M.S. (1985). Analysis of chromatin of the brain of young and old rats by nick-translation. *Biochem. Biophys. Res. Commun.* 127, 604-609.
67. Chaturvedi, M.M. and Kanungo, M.S. (1983). Analysis of Chromatin of the brain of young and old rats by micrococcal nuclease and DNaseI. *Biochemistry International* 6, 357-363.
68. Chaturvedi, M.M. and Kanungo, M.S. (1983). Changes in chromatin of the brain of rats during aging. *DNA* 2(1), 91.
69. Kanungo, M.S. and Chaturvedi, M.M. (1982). Molecular basis of aging. *Curr. Sci.* 51, 500-505.
70. Chaturvedi, M.M., Sharma, R., Dubey, P.N., Prasad, S.B., Sadakant and Patnaik, S.K. (1982). Hydrocortisone and estradiol mediated regulation of Arginase in the liver of different vertebrates. *Orient. Zool.* 2, 81-86.
71. Chaturvedi, M.M., Sharma, R. and Patnaik, S.K. (1980). Induction of hepatic arginase of various vertebrates by estradiol and hydrocortisone. *Ind. J. Biochem. Biophys.* 17(S), 55.

Conference Presentations (>70 National & International Conferences)

- 2020 Invited lecture in National Webinar on "Current Strategies and Challenges of Diagnosis, Treatment and Control of COVID-19" on 15th July Organized by School of Studies in Biochemistry and Biotechnology, Jiwaji University, Gwalior.
2020. Invited lecture in Webinar on SARS-CoV-2 – Biology, Evolution and Challenges on 22nd June 2020 Organized by Center for Nanotechnology, Amity University, NOIDA (UP).
2020. Expert Panelist in Webinar on "Innovation Around the World in Times of COVID 19" on 28th mat 2020 Organized by SGT University, New Delhi.
2020. Invited lecture in Faculty Development Programme, "Research Methodology: Tools & Techniques" from 5th to 11th June, 2020, at Atmaram Sanatan Dharm College, University of Delhi
2020. Prof MS Kanungo Memorial Oration Lecture, "Current perspectives of Biochemistry in Health and Diseases" Organized from January 11-12, 2020 at Department of Zoology, Banaras Hindu University, Varanasi.
- 2019 Resource Person In Refresher Course in Life science, HRDC, Pt. Ravi Shankar University Raipur, Dec. 9-10, 2019.
- 2018 Invited Lecture in the 6th International Conference on Molecular Signaling. School of Life Sciences at University of Hyderabad, Feb. 6-8, 2018
- 2017 Invited lecture on "Metabolic Reprogramming and Chromatin as a Regulator of Gene Expression" at "Emerging Horizons in Functional Biology" at NEHU, Shillong, 24th March 2017.
- 2016 Key Note lecture in "Prospects in Life Sciences: Paradigm Shift in Teaching and Research in Zoological Sciences" and the Second Chhattisgarh Congress of the Zoological Society of Chhattisgarh (ZSC) during March 02-03, 2016.
- 2016 Inaugural Lecture at International Conference on Public Health Issues to be held on 15th and 16th January, 2016
- 2013 Invited lecture in DST-ISPIRE camp organized at Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, from July 16-20, 2013.
- 2012 Invited lecture in DST-ISPIRE camp organized at Hans Raj College, University of Delhi, December 17-21, 2012.
- 2012 Invited lecture in DST-ISPIRE camp organized at Desh Bandhu College, University of Delhi, October 1-5, 2012.

- 2011 Invited lecture in DST-ISPIRE camp organized at North Eastern Hill University, Shillong, Meghalaya, December 13-17, 2011.
- 2011 U21 Teaching Learning Network meeting at University of British Columbia, Vancouver, Canada, November 3-4, 2011.
- 2010 Invited lecture at Department of Physiology and Genetics, Tulane University School of Medicine, New Orleans, LA 70112, USA; July 07, 2010.
- 2010 Inaugural Lecture at 4th National Conference on Recent Trends in Chemistry at JA College of Women, Periakulam (Tamil Nadu), Feb. 18-19, 2010.
- 2010 Invited Lecture at "*XIII Transcriptional Assembly Meeting*" at School of Life Sciences, Jawaharlal Nehru University, New Delhi from February 26-28, 2010.
- 2010 Invited Lecture" at 3rd Convention of Indian Association of Teachers in Biological Sciences, NES Ratnam College, Mumbai, Feb.
- 2009 Invited lecture at North Eastern Hill University, Shillong (Meghalaya) under Department of Science & Technology-INSPIRE Program on December 17, 2009.
- 2009 Invited Lecture at International Conference on Recent Trends in Biotechnology at Banaras Hindu University, December 4-6, 2009.
- 2009 Invited Lecture at 2nd Convention of Indian Association of Teachers in Biological Sciences, Homi Bhabha Center for Science Education (TIFR), Mumbai, May 2-3, 2009.
- 2009 Invited Lecture at Department of Biochemistry, North Eastern Hill University, Shillong, March 26-27, 2009.
- 2008 Invited Lecture at Department of Biochemistry, North Eastern Hill University, Shillong, March 13-14, 2008.
- 2007 Invited Lecture at BRNS Life Science Symposium at Bhabha Atomic Research Center, Mumbai, December 5-6, 2007
- 2007 Invited Lecture at Center for Cellular & Molecular Biology, Hyderabad on April 12, 2007.
- 2006 Invited Lecture at "*X Transcriptional Assembly Meeting*" at Indian Institute of Chemical Biology and Bose Institute, Kolkata, from December 14-16, 2006.
- 2006 Invited Lecture at "*Nuclear Architecture: Chromosome-Chromatin Dynamics*" which will be held from Dec 11-13, 2006 at Jawaharlal Nehru Center for Advanced Scientific Research, Jakkur, Bangalore.
- 2006 Invited Lecture in the *Division of Medicine, University of Massachusetts Medical School, Worcester, USA, August 16, 2006.*
- 2006 Invited Lecture at "*Supply on Wheels*", organized by Sabinsa Corporation, Saly Lake City, Utah, USA, June 20-21, 2005.
- 2005 Invited Lecture at "*IX Transcription Assembly Meeting*" at Center for Cellular & Molecular Biology, Hyderabad from September 17-19, 2005.
- 2005 Invited Lecture on "Histone demethylation versus deimination: Identification and purification of an amino dehydrogenase from chicken liver that may also function as histone deiminase" at "*Indo-Japan Workshop on UNDERSTANDING OF CHROMATIN STRUCTURE FUNCTIONS*" held at Jawaharlal Nehru Center for Advanced Scientific Research, Bangalore from Jan 20-23, 2005.
- 2005 Invited lecture at "*Silver Jubilee Conference on Recent Advances in Biochemistry Research and Teaching*" at Department of Biochemistry, North Eastern Hill University, Shillong, Meghalaya from February 25-26, 2005.
- 2004 Invited Lecture at 28th *All India Cell Biology Symposium on Genome Biology* held at National Centre for Human Genome Studies and Research, Punjab University, Chandigarh from December 1-3, 2004.
- 2004 Invited Lecture on "Chromatin Remodeling: Characterization of a SWI/SNF-like Factor, and Identification and Characterization of a Novel Histone H3 N-terminal Specific Protease" at a symposium on "*Chromatin: Folded Secrets Unfolded*" organized at Advanced Center for Treatment, Research and Education in Cancer (ACTREC), Kharghar, Navi Mumbai, August 30-31, 2004.

- 2003 Resource Person in Indian Academy of Science, Bangalore sponsored workshop on *"Molecular and Developmental Genetics"* held at Banaras Hindu University, Varanasi from July 2-14, 2003.
- 2003 Invited Lecture at *"7th Transcription Assembly Meeting"* held at Jawaharlal Nehru Center for Advanced Scientific Research, Bangalore in December 2003.
- 2002 Invited lecture on *"A SWI/SNF-like factor from chicken liver that disrupts nucleosomes and transfers Histone octamers in cis and trans"* at Sixth Transcriptional Assembly, SLS, and SCMM, JNU, New Delhi, October 22-23, 2002.
- 2002 Invited lecture on *"Identification of a novel Histone H3-specific conserved protease that cleaves H3 from its N-terminal: Its possible role in DNA damage and Apoptosis"* at International Symposium on Emerging Trends in Cancer Research, at School of Life Sciences, Jawaharlal Nehru University, New Delhi, India, March 14-16, 2002.
- 2002 Invited Lecture on *"A Tale of tails: Identification and Characterization of Histone H3-specific Novel Protease"* at Conference of Indian Society of Developmental Biologists, Department of Biological Sciences and Bioengineering, Indian Institute of Technology, Kanpur, February 17-20, 2002.
- 2000 Invited lecture on *"Characterization and purification of a Histone H3-specific Protease, at School of Life Sciences, Jawaharlal Nehru University, New Delhi, November 24-26, 2000.*
- 1999 Invited lecture on *"Molecular Mechanism of Apoptosis"*. Workshop on Current Trends in Molecular Medicine and Ayurveda, Molecular Biology Unit, Institute of Medical Sciences, Banaras Hindu University, April 6, 1999.
- 1998 Invited lecture on *"Mechanism of Tumor Necrosis Factor (TNF) Induced Signal Transduction: Role of TNF Receptor Associated Factor-2 (TRAF2)"*. *International Symposium on Apoptosis*, Department of Biophysics, Punjab University, Chadigarh, October 29-31, 1998.
- 1998 Symposia Lecture on *"Mechanism of Activation of NF- κ B by Tumor Necrosis Factor - Specific Inhibition by Sanguinarine, a Benzo-phenanthridine"*. *XXI All India Cell Biology Conference, (Indian Society of Cell Biology)*, Indian Institute of Science, Bangalore. March 21-23, 1998.
- 1997 Acted as Core Resource Person and gave lectures in DBT-sponsored workshop on *"Role of Oligonucleotides in Analysis of Genes"*, Biochemistry & Molecular Biology Laboratory, Department of Zoology, Banaras Hindu University, Varanasi, November 3-22, 1997.
- 1997 Acted as Core Resource Person and gave lectures in DBT-sponsored workshop on *"Short-term Training Course on Cloning And Expression of Animal Genes"*, School of Studies in Zoology, Jiwaji University, Gwalior, July 15-August 4, 1997.
- 1997 Invited lecture on *"Identification of a domain in the p60 Tumor Necrosis Factor (TNF) that binds to TNF Receptor-associated Kinase (TRAK)"*. *National Conference on Gerontology & Symposium on Molecular Markers of Aging*. School of Studies in Biochemistry, Jiwaji University, Gwalior. April 7-9, 1997.
- 1997 Invited Lecture on *"Conformational Alterations In Chromatin Of Liver Of Rat During Aging"* *National Symposium on Developmental Biology*, Department of Zoology, Utkal University, Bhubaneswar, Februray 21-23, 1997.
- 1996 Invited lecture on *"Mechanism of activation of gene expression by reactive oxygen intermediates"*. *International Seminar on Free Radicals Mediated Diseases & Ayurveda. Faculty of Ayurveda*, Institute of Medical Sciences, Banaras Hindu University, Varanasi. Sept. 2-4, 1996.
- 1996 Invited lecture on *"Mechanism of activation of nuclear factor kappa B (NF- κ B)"* *Symposium on frontier topics in Biochemistry & Molecular Biology*. Centre of Advanced Study in Zoology, Banaras Hindu University, Varanasi, Feb. 9-11, 1996, Abst #11, p-11.
- 1996 Delivered the *Silver Jubilee Lecture* ('Is DNA the master molecule of Life') at Kutir Post-Graduate College, Chakke, Jaunpur on Jan. 16, 1996.
- 1995 Presented a paper on *"Mechanism of activation of nuclear factor-kappa B by tumor necrosis factor"*. *XXII Annual meeting of the Indian Immunology Society and National Symposium on Immunology of Infectious Diseases*. School of Life Sciences, Jawaharlal Nehru University, New Delhi, November 15-17, 1995, Abst # 46, p-46.

- 1994 Invited lecture on "Tumor necrosis factors alpha and beta, differ in inducing differentiation of myelomonoblastic leukaemic cells". *International conference on Molecular Biology of Development and Aging*. Institute of Life Sciences, Bhubaneswar, India, September 24-26, 1994, p -29.
- 1994 Invited lecture on "Decline in tumor necrosis factor-dependent proliferation and production of interleukin (IL)-6 and IL-8 by normal human diploid foreskin fibroblasts with cellular senescence". *International Symposium on Gerontology and VII Conference of the Association of Gerontology (India)*, All India Institute of Medical Sciences, New Delhi, from November 14-16, 1994.
- 1994 presented a paper on "Both early and late cellular responses differ between tumor necrosis factor and lymphotoxin". *V International TNF Congress*. Asilmor Conference Centre, Monterey, California, USA, May 30-June 3, 1994. Abst no. Eur. Cytokine Netw 5, 107 (#39).
- 1994 presented a paper on "Regulation of human tumor necrosis factor receptors on myeloid and epithelial cells by protein kinase inhibitors". *V International TNF Congress*. Asilmor Conference Centre, Monterey, California, USA, May 30-June 3, 1994. Abst no. Eur. Cytokine Netw. 5, 108 (#41).
- 1993 presented a paper on "Tumor necrosis factor and lymphotoxin differ in mediation of cellular responses: Role of p60 and p80 receptors". *XI Texas Immunology Conference*. San Luis Hotel, University of Texas Medical Branch, Galveston, Texas, USA, Nov. 19-21, 1993.
- 1993 Presented a paper on "Factors affecting chromatin structure and transcription in the old rats". *XVI All India Cell Biology Conference*, Centre of Advanced Study in Zoology, Banaras Hindu University, Varanasi, Jan. 1-3, 1993.
- 1992 Invited Lecture on "Conformation of chromatin during aging". *6th National Conference of Association of Gerontology (India)*, J. N. Medical College, Aligarh Muslim Univ., Aligarh, Nov. 17-19, 1992.
- 1988 Presented a paper on "Effect of acetylation and phosphorylation of chromosomal proteins on the conformation chromatin during aging of rats". *All Ind. Symp. on Biol. Med. Soc. Gerontology*. New Delhi, Dec. 19-21, 1988.
- 1987 presented a paper on "Reversible silencer of enhancers by sequences derived from human IFN- alpha1 promoter". USGEB meeting, Lausanne, Switzerland. March 26-27.
- 1984 Presented a paper on "Chromatin organization during aging". *National Conference on Aging (Association of Gerontology, India)*, Tirupati, Oct. 22-24, pp.17-18.

Public Service / University Service / Consulting Activity

- 2019-20 External member, Board of Research Studies, Faculty of Interdisciplinary and Applied Sciences, University of Delhi, South campus
- 2013- 15 -Governing Body member of Delhi College of Arts & Commerce
- 2012- 15 – Governing Body member of Gargi College
- 2012-14 - Chairman, International Hostel, University of Delhi
- 2011-continuing, Member Managing Committee, VKRV Rao Hostel, University of Delhi
- 2011-continuing – Member, Governing Body Scholl of Open Learning
- 2011- 13 - Member, Governing Body Atma Ram Sanatan Dharm College, University of Delhi
- 2011-12 Member Governing Body, PGDAV Hostel, University of Delhi
- 2007-10 – Guest Faculty, Department of Biological Science & Bioengineering, Indian Institute of Technology, Kanpur.
- 2004 – 08 - Member, Management Committee, Jubilee Hall, University of Delhi.
- 2007- 11 - Member, Management Committee, Meghdoot Hostel, University of Delhi.
- 2007 Member, Book Writing Team for Biology XII, NCERT, New Delhi.
- 2006-07 Guest Faculty, Dept. of Biological Sciences & Bioengineering, Indian Institute of Technology, Kanpur.
- 2004-06 Guest Faculty at Dept. of Human Genetics, Banaras Hindu University, Varanasi.
- 2004 Guest Faculty at Centre for Molecular Human Genetics, School of Studies in Zoology, Jiwaji University, Gwalior.
- 2004 Guest Faculty at National Centre for Human Genome Studies and Research, Punjab University, Chandigarh.

Professional Societies Memberships

- 1 Member, American Society of Biochemistry & Molecular Biology.
2. Life member of Society of Biological Chemists (India)
3. Life member of Association of Gerontology, India
4. Life member of Indian Society of Cell Biology
5. Life member of Indian Science Congress Association
6. Life member of Indian Immunology Society

7. Life member of Indian Society of Developmental Biologists

Projects (Major Grants / Collaborations)

2020-2023 – ICMR project on “Evaluation of Age-linked Chromatin Modifications in Mice Sperm: an approach to study sperm quality and fertility” For Approx. Rs. 65 Lakhs PI of the Project – Dr JS Purohit

2018-2021 – DST SERB Project on Characterization of the H3 specific protease (H3ase) activity of the chicken liver glutamate dehydrogenase (GDH). For Approx. Rs. 65 lakhs PI of the Project – Dr JS Purohit

2010-11 DST PURSE Project to University of Delhi “Development of in vivo system for studying inflammation: mechanism of oscillatory response of the key regulator, the Nuclear factor kappa B” for Rs. 40 Lakhs.

2004-08 DST sponsored project on “Biochemical and physiological characterization of a novel histone H3-specific protease from chicken/mouse liver” for 21.54 lakhs.

2001-04 UGC project on “Analysis of chromatin structure and gene expression: Role of chromatin Remodelling factors” (for Rs. 700,000) as Principal Investigator

2001-04 DBT project on “Expression of neuron-specific genes and proteins and their role in development and aging of the brain of mice” (for Rs. 1,500,000) as Co-investigator (PI-Prof. M.S. Kanungo, BHU)

1995-98 UGC project on “Analysis of chromatin conformation and gene expression during aging-Role of histone H1” (for Rs. 235,000/-) as Principal Investigator.

1995-99 AICTE project on “Mechanism of LPS-induced failure of blastocyst implantation and identification, cloning and characterization of sperm specific antigens involved in fertility regulation” (for Rs. 800,000/-) as Co- Principal Investigator (PI- Dr. Y.K. Jaiswal, Jiwaji Univ., Gwalior).

1989-93 CSIR project on “Factors affecting chromatin conformation and function during aging of rat” (for Rs. 430,000/-) as Principal Investigator.

1990-93 DST project on “Studies on the molecular mechanism of aging in the rat” (for Rs. 760,000/-) as Co-Principal Investigator (PI-Prof. M.S. Kanungo, BHU).

1986-90 PL-480 project on “Effect of aging on egg production in avian species”(for Rs. 2,250,000/-) as Co-Principal Investigator (PI-Prof. M.S. Kanungo, BHU).

Other Details

Number of students guided for Ph.D.: 14

Number of students currently registered for Ph.D. : 4

Symposium Organized:

1. National Organizer, 3rd International Symposium of Translational Cancer Research: Cell Signaling and Cancer Therapy at Institute of Life Sciences, Bhubaneswar (Orissa) from December 18-21, 2009.
2. Convener, 30th All Indian Cell Biology Conference, at Department of Zoology, University of Delhi, From Feb. 2-4, 2007.
3. Organizing Secretary, International Symposium International Symposium on Aging: A Challenge in the New Millennium & X Biennial Meeting of the Association of Gerontology (India), from November 10-12, 2000 at Department of Zoology, Banaras Hindu University, Varanasi.
4. Treasurer, Symposium on Frontier Topics in Biochemistry and Molecular Biology being held during Feb. 9-11, 1996 in the Centre of Advanced Study in Zoology, Banaras Hindu University, Varanasi.
5. Member - Organizing Committee, XVI All India Cell Biology Conference held during Jan. 1-3, 1993 in the Centre of Advanced Study in Zoology, B. H. U., Varanasi.
6. Treasurer, Symposium on Differentiation, Development & Senescence held during Oct. 19-21, 1989 in the Centre of Advanced Study in Zoology, Banaras Hindu University.

Invited Lectures at other Academic Forum:

In addition to the above, I delivered many invited lectures at different academic forum and functions.

Corporate Life of the Department and the University:

Also, I am contributing extensively in the corporate development of the Department of Zoology, University of Delhi. Have served /serving member of Governing Bodies of Atmaram Sanatan Dharm College, Gargi College, Delhi College of Arts and Commerce, School of Open Learning, PGDAV College, SBS College, Member, Managing Committees of VKRV Rao Hotel, Chairman, MC, International Hostel etc, and members of different committees at University Level.



(Signature of Faculty Member)