




Faculty Details proforma for DU Web-site

Title	Prof	First Name	Yogendra	Last Name	Singh	Photograph
Designation	Professor					
Address	Lab 112, Department of Zoology University of Delhi, Delhi					
Phone No Office						
Residence Mobile	9871095673					
Email	ysingh@zoology.du.ac.in ysinghdu@gmail.com					
Web-Page						
Educational Qualifications						
Degree	Institution			Year		
PhD	V.P. Chest Institute, University of Delhi			1983		
MSc	G.B. Pant University of Agriculture & Technology			1977		
B.Sc	Gorakhpur University			1974		
Career Profile						
<ul style="list-style-type: none"> • Professor, Department of Zoology, 2015- Present. • Chief Scientist, CSIR-Institute of genomics and Integrative Biology, Sept. 2006- Oct. 2015. • Sabbatical, NIAID, National Institutes of Health (NIH) USA, June 2008- June 2009. • Professor (On EOL), Ambedkar Centre for Biomedical Research, University of Delhi, May- Oct 2002 • Scientist F, CSIR-Institute of genomics and Integrative Biology, Sept. 2001- Aug. 2006 • Scientist EII, CSIR-Institute of genomics and Integrative Biology, Sept. 1996- Aug. 2001. • Scientist EI, CSIR-Institute of genomics and Integrative Biology, Sept. 1991- Aug. 1996. • NRC Research associate, National Institute of Health, USA, Oct. 1989- July 1991. • NRC Research Associate, US Army Medical Research Institute, Nov. 1987- Sept. 1989. • Visiting Fellow, National Institute of Health, USA, June 1983-Sept 1987. 						
Administrative Assignments						
Areas of Interest / Specialization						
Bacterial Pathogenesis, Bacterial Protein Toxins, Signal transduction in bacteria						
Subjects Taught						

- Metabolism: Concepts and Regulation
- Proteins Structure, Function and Evolution.
- Genomics

Research Guidance

- *Supervision of awarded Doctoral Thesis (Forty)*
- *Supervision of Doctoral Thesis, under progress (Eight)*

Publications Profile

Books

- L.K. Singh, N. Dhasmana and **Yogendra Singh** (2014) Quorum Sensing Systems in Bacillus (In Press).
- **Yogendra Singh**, X. Liang and N. S. Duesbery (2004) Pathogenesis of Bacillus anthracis: The role of anthrax toxins. *Microbial Toxins: Molecular and Cellular Biology*, 285-311 (Ed. Thomas Proft).
- G. Krishna, **Yogendra Singh**, G.S. Sidhu, and R. Bhatnagar (1989): Mechanism of MPTP induced Parkinson's disease at cellular and subcellular levels. In "Neurochemical Pharmacology" (Ed. E.Costa), pp 165-174, Raven Press, NY.
- D. R. Feller, **Yogendra Singh**, V. Shirhatti, C. T. Liu, and G. Krishna (1985): Cultured rat hepatocytes: In Vitro model for the study of peroxisomal proliferation by hypolipidemic drugs. *In Vitro Toxicol.*, 3; 497-514 (Ed. A. Goldberg) Liebert Publ. Inc. NY.

Research Articles

- Abhijit Maji, Richa Misra, Darshan B dhakan, V. Gupta, N.K. Mahato, R.Saxena, P.Mittal, N.Thukral, E. Sharma, A. Singh, R. Virmani, M. Gaur, H.Singh, Y Hasija, G.Arora, A.Agrawal, A.Chaudhry, J.P. khurana, V.K.Sharma, R.Lal, and **Yogendra Singh** (2017) Gut microbiome contributes to impairment of immunity in pulmonary tuberculosis patients by alteration of butyrate and propionate producers. *Environmental Microbiology* (doi:10.1111/1462-2920.14015)
- Aditya K. Sharma, Divya Arora , Lalit K Singh, Andaleeb Sajid, **Yogendra Singh**, Vinay K. Nandicoori (2016) Serine/threonine protein phosphatase PstP of *Mycobacterium tuberculosis* is necessary for accurate cell division and survival of pathogen, *J. Biol Chem* (Under Revision).
- Vipin Gupta, Shazia Haider¹, Utkarsh Sood, Jack A. Gilbert, Meenakshi Ramjee, Ken Forbes, **Yogendra Singh**, Bruno S. Lopes & Rup Lal (2016) Comparative genomic analysis of novel Acinetobacter symbionts:A combined systems biology and genomics approach. *Scientific Reports* (In Press).

- Andaleeb Sajid, Gunjan Arora, Anshika Singhal, Vipin C. Kalia and **Yogendra Singh** (2015) Protein phosphatases of pathogenic bacteria: Role in Physiology and Virulence, Annual Review of Microbiology, 69: 527-47.

- Abhijit Maji, Richa Misra, Anupam Kumar Mondal, Dharendra Kumar, Divya Bajaj, Anshika Singhal, Gunjan Arora, Asani Bhaduri, Andaleeb Sajid, Sugandha Bhatia, Sompal Singh, Harshvardhan Singh, Vivek Rao, Debasis Dash, Baby Shalini E, Joy Sarojini Michael, Anil Chaudhary, Rajesh S. Gokhale, **Yogendra Singh** (2015) Expression profiling of lymph nodes in tuberculosis patients reveal inflammatory milieu at site of infection. Scientific Reports, 5:15214 doi: 10.1038/srep15214.
- Anshika Singhal, Gunjan Arora, Richa Virmani, Parijat Kundu, Tanya Khanna, Andaleeb Sajid, Richa Misra, Jayadev Joshi, Vikas Yadav, Sintu Samanta, Neeru Saini, Amit K. Pandey, Sandhya S. Visweswariah, Christian Hentschker, Dörte Becher, Ulf Gerth, and **Yogendra Singh** (2015) Systematic Analysis of Mycobacterial Acylation Reveals First Example of Acylation-mediated Regulation of Enzyme Activity of a Bacterial Phosphatase. J. Biol. Chem., 290: 26218-34.
- A. Chadha, S. Mehto, A. Selvakumar, M. Vashishta, S.S. Kamble, S. Popli, R. Raman, **Yogendra Singh**, K. Natarajan (2015) Suppressive role of neddylation in dendritic cells during Mycobacterium tuberculosis infection. Tuberculosis (Edinb), S1472-9792(15)20775-5. doi: 10.1016/j.tube.2015.05.014. PMID: 26096160.
- S. Mehto S, C. Antony, N. Khan, R. Arya, A. Selvakumar, B.K. Tiwari, M.S. Vashishta, **Yogendra Singh**, S. Jameel, K. Natarajan (2015) [Mycobacterium tuberculosis and Human Immunodeficiency Virus Type 1 Cooperatively Modulate Macrophage Apoptosis via Toll Like Receptor 2 and Calcium Homeostasis.](#) PLoS One 1;10(7):e0131767. doi: 10.1371/journal.pone.0131767. PMID: 26132135.
- Ajay Jajodia, Dhanachandra Singh, Anshika Singhal, Saurabh Vig, Malabika Datta, **Yogendra Singh**, Muthusamy Karthikey and Ritushree Kukreti (2015) Methylation of a HTR3A promoter variant alters the binding of transcription factor CTCF. RSC Adv., 2015, 5, 45710. DOI: 10.1039/c5ra04455c.
- Cecil Antony, Subhash Mehto, Brijendra K. Tiwari, **Yogendra Singh**, Krishnamurthy Natarajan (2015) Regulation of L-type Voltage Gated Calcium Channel CACNA1S in Macrophages upon Mycobacterium tuberculosis Infection. PLoS One, 10(4): e0124263. doi:10.1371/journal.pone.0124263.
- Neha Dhasmana, Lalit K Singh, Asani Bhaduri, Richa Misra, **Yogendra Singh** (2014) Recent Developments in Anti-dotes Against Anthrax, Recent Patents on Anti-Infective Drug Discovery (In Press).
- G. Arora, A. Sajid, A. Singhal, J. Joshi, R. Virmani, M. Gupta, N. Verma, A. Maji, R. Misra, G. Baronian, A.K. Pandey, V. Molle, **Yogendra Singh** (2014) Identification of

- L. K. Singh, N. Dhasmana, A. Sajid, P. Kumar, A. Bhaduri, M. Bharadwaj, S. Gandotra, V. C. Kalia, T. K Das, A. K. Goel, A. P. Pomerantsev, R. Misra, Ulf Gerth, S. H. Leppla and **Yogendra Singh** (2014) ClpC operon regulates cell architecture and sporulation in *Bacillus anthracis*, Environ. Microbiol. doi: 10.1111/1462-2920.12548 .
- A. Nigam, K. H. Almabruk, A. Saxena, J. Yang, U. Mukherjee, H. Kaur, P. Kohli, R. Kumari, P. Singh, L. N. Zakharov, **Yogendra Singh**, Taifo Mahmud and Rup Lal (2014) Modification of Rifamycin Polyketide Backbone Leads to Improved Drug Activity Against Rifampicin-Resistant *Mycobacterium tuberculosis*. J. Biol. Chem. 289: 21142-21152.
- M. Gupta, A. Sajid, K. Sharma, S. Ghosh, G. Arora, R. Singh V. Nagaraja, V. Tandon and **Yogendra Singh** (2014) HupB, a Nucleoid associated protein of *Mycobacterium tuberculosis*, is modified by Serine/Threonine Protein Kinases *In vivo*. J. Bacteriol. 196:2646-2657.
- S. Sharma, S. Ghosh, L. K. Singh, A. Sarkar, R. Malhotra, O. P. Garg, **Yogendra Singh**, R. S Sharma, D.S. Bhakuni, T. K. Das, S. Biswas (2014) Identification of autoantibodies against transthyretin for the screening and diagnosis of rheumatoid arthritis. PLoS One, 9 (4): e93905
- A. Selvakumar; C. Antony, J. Singhal; B. K Tiwari; **Yogendra Singh** and Krishnamurthy Natarajan (2014) Reciprocal Regulation of Reactive Oxygen Species and phospho-CREB Regulates Voltage Gated Calcium Channel Expression During *Mycobacterium tuberculosis* Infection. PLoS One e96427.
- A. Bhaduri, R. Misra, A. Maji, P. J. Bhetaria, S. Mishra, G. Arora, LK Singh, N. Dhasmana, N. Dubey, JS Viridi, and **Yogendra Singh** (2014) *Mycobacterium tuberculosis* cyclophilin A uses novel signal sequence for secretion and mimics eukaryotic cyclophilins for interaction with host protein repertoire. PLoS One 9 (2): e88090
- Singhal, G. Arora, A. Sajid, A. Maji, R. Virmani, A. Bhat, S. Upadhyay, V. K. Nandicoori, S. Sengupta, and **Yogendra Singh** (2013) Regulation of homocysteine metabolism by *Mycobacterium tuberculosis* S-adenosyl homocysteine hydrolase. Scientific Reports. 3:2264. doi: 10.1038/srep02264.
- G. Arora, A. Sajid, Mary D. Arulanandh, R. Misra, A. Singhal, S. Kumar, Lalit K. Singh, Abid R. Mattoo, R. Raj, S. Maiti, Sharmila Basu-Modak, **Yogendra Singh** (2013): Zinc

regulates the activity of kinase-phosphatase pair (BasPrkC/BasPrpC) in *Bacillus anthracis*. *Biometals* 26:715-730.

- L.S. Meena, P. Chopra, R.A. Viswakarma, **Yogendra Singh** (2013) Biochemical characterization of an S-adenosyl-l-methionine-dependent methyltransferase (Rv0469) of *Mycobacterium tuberculosis*. *Biol. Chem.* 394: 871-877.
- A. Ranjan, N. Kaur, V. Tiwari, **Yogendra Singh**, M.M. Chaturvedi, V. Tandon (2013): 3,4-Dimethoxyphenyl Bis-benzimidazole Derivative, Mitigates Radiation-Induced DNA Damage. *Radiation Res.* 179:647-62.
- G. Arora, A Sajid, M Diana Arulanandh, Anshika Singhal, Abid R. Mattoo, A P. Pomerantsev, Stephen H. Leppla, S Maiti, and **Yogendra Singh** (2012): Unveiling the Novel Dual Specificity Protein Kinases in *Bacillus anthracis*. *J. Biol Chem* 287:26749-26763.
- J Singhal, Neha Agrawal, Mohit Vashishta, N Gayatri Priya, Brijendra K Tiwari, **Yogendra Singh**, Rajagopal Raman and K Natarajan (2012) :Suppression of Dendritic Cell Mediated Responses by Genes in the Calcium and Cysteine Protease Pathways During *Mycobacterium tuberculosis* Infection. *J. Biol Chem* 287: 11108-11121.
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- A.C. Gupta, Richa Misra, P. Sakhuja, **Yogendra Singh**, S.F. Basir, and S.K. Sarin (2012): Association of Adeponectin gene functional polymorphism (-11377C/G and +45T/G) with non-alcoholic fatty liver disease. *Gene*, 496:63-67
- A. Sajid, G. Arora, M. Gupta, A. Singhal, K. Chakraborty, V. K. Nandicoori and **Yogendra Singh** (2011) Interaction of *Mycobacterium tuberculosis* elongation factor Tu with GTP is regulated by phosphorylation. *J. Bacteriol.*, 193:5347-58
- P. Gautam, S.K. Upadhyay, W. Hassan, T. Madan, R. Sirdeshmukh, C.S. Sundaram, W.N. Gade, S.F. Basir, **Yogendra Singh**, P.U. Sarma (2011) Transcriptomic and Proteomic profile of *Aspergillus fumigates* on exposure to artemisinin. *Mycopathologia* 172:331-346.
- P. K. Chakraborti, N. Matange, V. K. Nandicoori, **Yogendra Singh**, J. S. Tyagi and S. S. Visweswariah (2011) Signalling mechanisms in Mycobacteria. *Tuberculosis* 91: 432-440.
- A. Sajid, G. Arora, M. Gupta, S. Upadhyay, V. K. Nandicoori and **Yogendra Singh** (2011) Phosphorylation of *Mycobacterium tuberculosis* Ser/Thr Phosphatase by PknA and PknB. *PloS One* 6 (3) e17871: 1-11.

- J. A. Khan, T. K. Mandal, T. K. Das, **Yogendra Singh**, B. Pillai and S. Maiti (2011) Magnetite (Fe₃O₄) Nanocrystals Affect the Expression of Genes Involved in TGF-beta Signalling Pathway. *Mol. BioSystems* 7:1481-1486.
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- A. C. Gupta, A.K. Chaudhory, Sukrit, C. Pandey, P. Sakhuja, **Yogendra Singh**, S. F. Basir and S.K. Sarin (2010) Peroxisome Proliferators activated receptors gamma2 Pro12Ala variant is associated with body mass index (BMI) in non-alcoholic fatty liver disease patients (NAFLD). *Hepatol. Int.* 5:575-80.
- P. Sachdeva, R. Misra, A.K. Tyagi and **Yogendra Singh** (2010) The Sigma Factors of *Mycobacterium tuberculosis*: regulation of the regulators. *FEBS Journal*, 277:605-626.
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- P. Kumar, D. Kumar, A. Parikh, D. Rananaware, M. Gupta, **Yogendra Singh**, V. K. Nandicoori (2009) The *Mycobacterium tuberculosis* protein kinase K modulates activation of transcription from the promoter of mycobacterial monooxygenase operon through phosphorylation of the transcriptional regulator VirS. *J. Biol. Chem.*, 284:11090-9.
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- S.K. Upadhyay, L. Mahajan, S. Ramjee, **Yogendra Singh**, S.F. Basir, T. Madan (2009) Identification and characterization of a laminin-binding protein of *Aspergillus fumigatus*: extracellular thaumatin domain protein (AfCalAp). *J. Med. Microbiol.* 58:714-22.
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- A. R. Mattoo, A. Arora, S. Maiti S, **Yogendra Singh** (2008) Identification, characterization and activation mechanism of a tyrosine kinase of *Bacillus anthracis*. *FEBS J.* 275:6237-47.
- A. Mattoo, M.S. Zaman, G.P. Dubey, A. Arora, A. Narayan, N. Jaikhani, K. Rathore, S. Maiti, **Yogendra Singh** (2008) Spo0B of *Bacillus anthracis*: A protein with Pleiotropic Functions. *FEBS Journal* 273:2711-2721.
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- M. K. Sharma, D. Jani, M. Thungapathra, J.K. Gautam, L.S. Meena, **Yogendra Singh**, A. Ghosh, A. K. Tyagi, A. K. Sharma (2008) Expression of accessory colonization factor subunit A (ACFA) of *Vibrio cholerae* and ACFA fused to cholera toxin B subunit in transgenic tomato (*Solanum lycopersicum*), *J. Biotechnology* 135:22-27
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Invited lectures/ special lecture or presentations for conferences/ symposia

2014:

- “Prevent Bacterial Infections: The Vaccine Way” Annual meeting of Association of Microbiologists of India, Coimbatore, Tamil Nadu, 13 November, 2014
- “Survival Mechanisms of Bacterial Pathogens” Annual meeting of Clinical Biochemists of India, Jodhpur, Rajasthan, 12th December, 2014
- “Hurdles and success stories in combating bacterial diseases” workshop on Microbial Biotechnology, Botany Department, Hans Raj College, Delhi University, 19th March, 2014.
- “Protein kinases & phosphatases of mycobacterium tuberculosis” Indo-Sweden Discussion Meeting on “Genomics, biology and therapeutics in tuberculosis and other mycobacterial diseases” Patan Mahal, Patan, Rajasthan, 22nd March 2014
- “Combating tuberculosis and anthrax: Are we failing?” Amity University, 26 March, ASM India sponsored program. 2014

2013:

- “Anthrax virulence factors & recombinant vaccine”. In “India-Japan workshop on Biomolecular electronics and Organic nanotechnology for environment preservation”, Delhi Technological University, 13th Dec, 2013 (Meeting 13-15 Dec. 2013).
- “Anthrax: Employing toxins to Protect”. Annual Meeting of Association of Microbiologists of India. 18th November, 2013 (Meeting 16-19 Nov, 2013, Rohtak).
- *Bacillus anthracis*: A soil bacteria that can be used in bio-warfare”. In National Conference on "Environmental Pollution, Soil Health and Sustainable Agriculture", Amity University, January, 2013.

2012:

- "Signaling mechanisms in *Mycobacterium tuberculosis*: Implication in pathogenesis". Workshop on “New TB and TB/HIV Multidisciplinary Research Partnerships in India: Priorities and Opportunities, organized by Johns Hopkins (USA), NIH and NIRT, IGIB, CRF October, 2012.
- “Mtb’s virulence factors and insights into microbial pathogenesis” Special Lecture at Dr. Ram Manohar Lohia Avadh University, Faizabad, October, 2012
- “Signaling mechanisms of Mycobacterium tuberculosis: Role in Pathogenesis” Leh symposium, Leh, August, 2012

- “Survival strategies of bacterial pathogen”. In Indian Academy of Science, Annual Meeting, Bangalore, July, 2012

- “Specialized mechanisms of bacterial survival in host”. At Annual Meeting of Star College Project of Ramjas College, University of Delhi, March, 2012
- “Survival strategies of bacterial pathogens with special reference to *Bacillus anthracis* and *Mycobacterium tuberculosis*” In Silver Jubilee Symposium of the Department of Biochemistry, Aligarh Muslim University, Aligarh, March, 2012.

2011:

- “Bacterial pathogens: mechanisms of survival in hostile conditions”. Special lecture for M.Sc and Ph.D. students at Dr. Ram Manohar Lohia Avadh University, Faizabad, December, 2011
- “Transgenic plants for the production of vaccines for bacterial diseases”. In conference on Environmental degradation and Biodiversity, M L K College, Balrampur, November, 2011
- “Pathogenesis of *Mycobacterium tuberculosis* and *Bacillus anthracis*”. In “Current Trends in Life Sciences: The Indian Scenario”. UGC Refresher Course for teachers at Department of Zoology, University of Delhi, February, 2011

2010:

- “Protein kinases and phosphatases of *Mycobacterium tuberculosis*: implication in virulence”. Annual meeting of Society of Biological Chemist (SBCI) at IISc, Bangalore, December, 2010.
- “Translocation strategies of bacterial protein toxins”. In National Symposium on Biotechnology organized by Delhi Technological University, Delhi, October, 2010.
- “Anthrax Toxin”. In National Symposium on **Infectious Diseases: Basic and Applied Research, Bhaskaracharya College, University of Delhi, February, 2010**
- “Translocation of anthrax lethal toxin into mammalian cells”. In Understanding and managing pathogenic microbes at IMTECH, Chandigarh, January, 2010
- “Role of Protein Kinases and Phosphatases in *Mycobacterium tuberculosis*”. In India-USA (SF-Bay Area TB Summit at Delhi) Jan, 2010.

2009:

- “Battling the bacterium: targeting the signaling network by a multi-pronged approach”. In Joint CSIR-NM4 discussion on TB Drug Discovery: Questioning the paradigms, December, 2009.
- “Protein kinases and phosphatases of *Mycobacterium tuberculosis*: implication in virulence”. In Indo-Brazil Symposium on Infectious Diseases, CSIR-IICB, Kolkata, December, 2009

- “Mechanism of internalization of anthrax toxin”. In **International Conference: on advancement in biomedical research at KIIT University, Bhubaneswar, November, 2009.**

- “Role of Protein Kinases and Phosphatases in Survival and Virulence of *Mycobacterium tuberculosis*”. At Microbiology and Biotechnology Centre, M S. University, Vadodara, September, 2009.
- “Anthrax toxin: From killer to savior”. At CPDHE, University of Delhi, July, 2009
- “Bacterial Protein Toxin”. At Department of Biotechnology, Pune University, July, 2009
- “Role of protein kinases and phosphatases in *M. tuberculosis*”. AFFRI, Maryland, USA, May, 2009

2008:

- Protein kinases and survival of *Mycobacterium tuberculosis*, NIAID, NIH, June, 2008

2007:

- Anthrax Toxin. Albert-Ludwigs-University, Freiburg, Germany, August, 2007
- “Role of genomics in understanding infectious diseases anthrax & tuberculosis”. Miranda House, University of Delhi, 2007
- “Protein Kinases and Phosphatases of *Mycobacterium tuberculosis* as Drug Target”. Ranbaxy Laboratories, Gurgaon, Feb, 2007

2006:

- “Anthrax: mechanism of toxin action & bioterrorism”. Hindu College, University of Delhi, February, 2006

2005:

- “Identification of drug targets in *M. tuberculosis*: Studies with protein kinases and phosphatases” at an International Conference on Drug Discovery, CSIR-CDRI, 2005
- “Anthrax Toxin: A tripartite Lethal Combination”. In Bundel Khand University, Jhansi, 2005

2004:

- “Anthrax Toxin: Mechanism of action and vaccine development”. 10th Asian Pacific Congress of Clinical Biochemistry, Perth Australia, September, 2004

2003:

- Organised a session on “Infectious Diseases” in FAOBMB meeting at IISc Bangalore, December, 2013.
- “Protective antigen of anthrax toxin as recombinant vaccine for anthrax”. Indo-US Vaccine Action Program Joint Working Group at NIAID, NIH, 2003

2001:

- “Anthrax Vaccine: Past, Present and Future”. In Round table Conference by Ranbaxy Science Foundation. December, 2001.
- “Anthrax” Public Lecture 17, India International Centre, 2001

Research Projects (Major Grants/Research Collaboration)

- Collaboration with Prof. Anil Tyagi, South Campus, University of Delhi; Dr. Vinay K. Nandicoori, National Institute of Immunology, New Delhi and Prof. K. Natarajan, ACBR, Delhi University.
- Collaboration with Dr. Stephen H. Leppla, NIH, USA and Prof. Axel Ullrich, Max-Planck Institute, Munich, Prof. Virginie Molle, France, Germany. Prof. Ulf Gerth, Germany, Dr. Anand Swaroop, NEI, NIH, USA.
- Rockefeller Career Development award to work at NIH (1994, 1995, 1996- three months each year)
- Visiting Scientist Max Planck Institute, Munich, Germany (2000)
- CSIR-DAAD fellow at University of Freiburg, Germany (2007)
- Visiting Special Volunteer, NEI, NIH (2016)

Awards and Distinctions

- J.C. Bose National Fellowship
- Moselio Schaechter Distinguished Service Award of American Society for Microbiology (2014)
- Fellow of the Indian National Science Academy (2013)
- Fellow of the Association of Microbiologists of India (2013)
- Fellow of the Indian Academy of Sciences (2011)
- Fellow of the National Academy of Sciences, India (2010)
- Goyal Prize in Life Sciences in 2002
- All India Biotech Association Award (For the year 2001-2002)
- Rockefeller Career Development award (1994)
- Gold Medal in B. Sc (1974)

- A. **Editorial Board Member** of *Journal of Biological Chemistry*.
- B. **Editor** in "Indian Journal of Microbiology" (Springer Press) and Editorial Advisory Board member in "Recent Patents on Anti-infective Drug Discovery" (Bentham Science Publishers).
- C. **Reviewer:** Molecular Microbiology; J. Bacteriology; PLoS One; J. Pharm. Res; Vaccine; JACS, Scientific Reports etc.
- D. DBT member–Expert Committee on Tuberculosis (2011-2013)
- E. Member Special Committee of the Centre for Mol. Med., JNU (2007- 2013)
- F. Research Council Member (CCMB- 2007-2010)
- G. Member of committee for the "CSIR@70: celebration of the foundation day on 26th September, 2012 and the year beyond"
- H. Member of Selection, Assessment and Promotion Committees of RAB (CSIR)
- I. Advisor, Star College Project of Ramjas College and Daulat Ram College, University of Delhi (Sponsored by DBT, India)
- J. Member of Advisory and Monitoring Committee for NMITLI project entitled "Development of a diagnostic system for affordable, point of need testing to manage HIV and TB".
- K. Served as Member and Chairperson of Purchase Committee, IGIB.
- L. In-charge Maintenance, IGIB at present.
- M. Coordinator for CAG Audit at IGIB at present

Other Activities