Dr. Yusuf Akhter



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Educational Qualification

	Organization	Year of award
Undergraduate	**(B.Sc)** University of Lucknow, Lucknow, India	2002
Post-graduation	**(M.Sc)** Jamia Hamdard (Hamdard University), New Delhi, India	2004
Ph.D.	**Work carried out at:** European Molecular Biology Laboratory, Hamburg Germany/Center for DNA Fingerprinting & Diagnostics, Hyderabad, India, **Thesis submitted to**: Department of Biochemistry, University of Hyderabad, Hyderabad, India. Title: **"Studies on cAMP Receptor protein from mycobacteria"**	2010 (*Submitted 2009)
Post-Doctoral Training	European Molecular Biology Laboratory, Hamburg, Germany.	February 2010 to November 2012

Professional Experience (In Years)

Teaching Experience: 14 years

Research Experience: 22 years

Areas of Research

- Drug discovery against microbial pathogens
- Structure and function of biological macromolecules
- Transcription and translation in prokaryotes
- Membrane proteins; Multi-drug efflux; Outer membrane proteins; Antimicrobial peptides
- Host-pathogen interactions

Research/Consultancy Grants

Title of Projects	Funding Agency	Duration (Specific Dates)	Total grant (Lakh)	Role (PI/CO-PI/Mentor)
A project proposal on targeting novel prokaryotic ubiquitin like post-translational modification pathway for therapeutic interventions against *Mycobacterium tuberculosis*	University Grant Commission	2015-2018	17.15	Principal Investigator

Title of Projects	Funding Agency	Duration (Specific Dates)	Total grant (Lakh)	Role (PI/CO-PI/Mentor)
Genome-wide screening of outer membrane proteins in *Mycobacterium avium* subsp. *paratuberculosis* (MAP) K-10: a repertoire of candidate immunogens for translational medicine.	SERB (DST, Govt. of India)	2015-2018	26	Principal Investigator
Identification of outer membrane proteins in *Mycobacterium leprae* and subsequent selection and analysis of epitopes to target immunogenic candidate proteins.	Indian Council of Medical Research	2017-2020	49.28	Principal Investigator
Genome wide identification of metal binding proteins in bread wheat	Department of Biotechnology (DBT), Govt. of India	2017-2020	25	Co- Principal Investigator
Pore Forming Mechanism of Novel Cytocidal PFT Candidate to Combat Cancer and HIV	Department of Health Research (Ministry of Health & Family Welfare)	2022-25	32	Mentor of the Young Scientist
Genome-wide identification and modeling of functional human Fractalkine receptor CX3CR1 binding sites and establish it as a novel drug target for Type 2 Diabetes	Department of Health Research (Ministry of Health & Family Welfare)	2022-25	29	Mentor of the Woman Scientist
Statistical Modeling for COVID-19 Spread Using Different Approaches	Council of Scientific & Technology Research-Uttar Pradesh	2022 - 2024	6.8	Co-Principal Investigator
Prototype development for acrylamide degradation in starch-based fried food products using thermostable bacterial L-asparaginase	Council of Scientific & Technology Research-Uttar Pradesh	2023 - 2026	11.86	Co-Principal Investigator
Microbe-assisted recovery of rare earth elements (REE) from laterite Badlands, coals and lignite mines overburden	Anusandhan National Research Foundation (ANRF)	2024-2027	40	Joint-Principal Investigator
Investigating the role of smokeless tobacco metabolites in biofilm formation and antimicrobial resistance.	Anusandhan National Research Foundation (ANRF)	2024- 2027	52	Co-Principal Investigator

Publications

Footnote: *Corresponding /senior author

International

1. Pragya Anand, **Yusuf Akhter*** (2026). Peripheral stalk-associated membrane perturbations around *Mycobacterium tuberculosis* ATP synthase. ***The Journal of Physical Chemistry B*.** DOI:10.1021/acs.jpcb.6c04002

2. Sunidhi Bhatt, **Yusuf Akhter***, Subhankar Chatterjee (2026). Structural Analysis of Sphingobium yanoikuyae P4 Carboxylesterase Reveals Conformational and Catalytic Determinants for PET Biodegradation. ***World Journal of Microbiology and Biotechnology***. DOI:10.1007/s11274-026-05276-3

3. Deepti Dhusia, Garima Singh, Dinesh Raj Modi, **Yusuf Akhter*** (2026). Protonation Based Molecular Mechanism Behind Rv0191 Efflux Transporter Conferring Pyrazinamide Resistance in Mycobacterium tuberculosis. ***Proteins***. DOI:10.1002/prot.70165

4. Vinit Kumar, Pragya Anand, **Yusuf Akhter*** (2026). Retractions in Tuberculosis Research: Analyzing Patterns, Reasons, and Temporal Trends from 1993 to 2023. ***Archives of Microbiology.*** DOI:10.1007/s00203-026-05009-y

5. Saif Ali Khan, Subhash Kumar Yadav, **Yusuf Akhter*** (2026). A Comparative State-wise Assessment of Dengue Incidence and Deaths in India Using Annual Surveillance Data. ***Discover Public Health.*** DOI:10.1186/s12982-026-02396-x

6. Pragya Anand, **Yusuf Akhter*** (2026). Bedaquiline Binding at the Leading Site of Mycobacterium tuberculosis ATP Synthase Induces Distinct Structural and Dynamic Changes. ***Journal of Cellular Biochemistry.*** DOI: 10.1002/jcb.70095.

7. Divya Sharma, Razak Hussain, Mushtaq Ahmed, **Yusuf Akhter*** (2026). From Structure to Function: Conformational Dynamics and Differential Binding of Substrates in tri18 Acyltransferase during Harzianum A Biosynthesis. ***Journal of Biomolecular Structure and Dynamics***. DOI:10.1080/07391102.2026.2690067

8. Saif Ali Khan, Subhash Kumar Yadav, **Yusuf Akhter*** (2026). Analyzing Global Threat of Lumpy Skin Disease Virus Infection: A Comparative Study of a Time Series Model and Machine Learning Models Across 10 High-Risk Countries. ***Current Microbiology.*** DOI: 10.1007/s00284-026-04982-3.

9. Gauri Shankar, **Yusuf Akhter*** (2026). Meta-Analysis Reveals a Core Iron-Responsive Gene Signature in *Mycobacterium tuberculosis* Linking Siderophore Biosynthesis, Virulence, and Metabolic Adaptation. ***BioMetals.*** DOI: 10.1007/s10534-026-00818-6.

10. Benjamin Siddiiqui, Chandra Shekar Yadav, Atul Krishna, Jai Kishan, Varish Ahmad, Firoj Hassan, Naseem Ahmad, **Yusuf Akhter**, Iqbal Azad (2026). Integrated in vitro and in silico antimicrobial activity of a novel pyrazoline derivative. ***Journal of Molecular Structure.*** *DOI: 10.1016/j.molstruc.2026.145720.*

11. Gauri Shankar, **Yusuf Akhter*** (2025). Identification of IrtAB inhibitors as novel therapeutic agents against drug-resistant Mycobacterium tuberculosis. ***Comput Biol Chem.*** 119:108542. DOI: 10.1016/j.compbiolchem.2025.108542.

12. Rumana Ahmad, **Yusuf Akhter**,Varsha,Tanveer Ahamad, Aditi Srivastava, Kusum Yadav, Sahabjada Siddiqui, Himanshu Reddy Dandu, Ankita Gupta, Mohsin Ali Khan(2025). In Silico and in vitro evaluation of Cucurbitaceae seed lectins as promising prophylactic and therapeutic agents against SARS-CoV-2. ***Glycoconjugate Journal.*** DOI: 10.1007/s10719-025-10196-9.

13. Sahil Mahfooz, Pragya Anand, Ajay Bhatia, Jitendra Narayan, Mutaira AI-Mutairi, Mohd Saeed, Irfan khan, **Yusuf Akhter*** (2025). Structural Insights Reveal Long-SSRs May Affect 4Fe-4S Protein Flexibility and Function in Methanogenesis. ***Journal of Basic Microbiology***. DOI:10.1002/jobm.70111

14. Sajjadul Kadir Akand, Areeba Rahman, Mohammad Masood, Shamz Tabrez, Junaid Jibran Jawed,Mohammad Z. Ahmed, **Yusuf Akhter**, Mohammad Haque, Abdur Rub (2025). Leishmania donovani alters the host sphingolipid biosynthetic pathway regulatory microRNA hsa-miR-15a-5p for its survival. ***Microbial Pathogenesis. DOI: 10.1016/j.micpath.2025.108019.***

15. Garima Singh, Shriti Shreya, Saurabh Yadav, **Yusuf Akhter*** (2025). S292L mutation in Rv1258c efflux pump drives pyrazinamide efflux and a novel inhibitor designed for co-therapy to improve MDR-TB treatment outcomes. ***World Journal of Microbiology and Biotechnology.*** DOI:10.1007/s11274-025-04510-8.

16. Sunidhi Bhatt, Neeraj Kumar, **Yusuf Akhter**, Subhankar Chatterjee (2025). Investigating RND Efflux Pumps in Sphingobium yanoikuyae P4: The Role of Nonpathogenic Bacteria in Antibiotic Resistance Gene Spread Amid Environmental Contamination.***Journal of Biomolecular Structure and Dynamics.*** DOI:10.1080/07391102.2025.2540826.

17. Madhu Yadav, **Yusuf Akhter***(2025). Integrative Analysis of DEGs and Regulatory Networks in T2DM: Identification of Core Genes and Regulatory Elements as Novel Therapeutic Targets. ***3Biotech.*** DOI:10.1007/s13205-025-04453-9.

18. Priyanka, Vipin Hallan, **Yusuf Akhter***, and Sangeeta Saxena (2025). Topical Application of Conserved dsRNA Confers Sustainable Broad-Spectrum Resistance against Leaf Curl Disease Causing Begomoviruses in Crops. ***Physiological and Molecular Plant Pathology*** 139: 102766. DOI: 10.1016/j.pmpp.2025.102766

19. Gauri Shankar, **Yusuf Akhter*** (2025). Comparative molecular dynamics reveal the conformational dynamics of the IrtAB-cMBT complex in mycobacterial iron uptake. ***Arch Biochem Biophys.*** 770:110477. DOI: 10.1016/j.abb.2025.110477.

20. N K Shrivastava, P Verma, G Singh, J Singh, A Kumar, S Yadav, AB Sonkar, MN Ansari, S A Saeedan, **Yusuf Akhter**, A S Aldossary, G Kaithwas (2025). Optimizing siRNA Therapeutics Targeting HIF-1α: Computational Design, Screening, and Molecular Dynamics Simulation Studies. ***Mol Pharm.*** 2025 Jun 2;22(6):3179-3188. DOI: 10.1021/acs.molpharmaceut.5c00104.

21. Divya Sharma, Razak Hussain, Mushtaq Ahmed, **Yusuf Akhter*** (2025). "Decoding the Intricate Web of Trichoderma Secondary Metabolite Biosynthesis Repertoire." ***Environmental Sustainability.*** DOI: 10.1007/s42398-025-00356-w.

22. Antu Das, Manash C Das, Padmani Sandhu, Niranjan Das, Prosun Tribedi, Utpal De, **Yusuf Akhter**, Surajit Bhattacharjee (2025). Correction: Antibiofilm activity of Parkia javanica against Pseudomonas aeruginosa: a study with fruit extract. ***RSC Advances.*** DOI:10.1039/d5ra90048d.

23. Sajjadul Kadir Akand, Areeba Rahman, Mohammad Masood, Shams Tabrez, Mohammad Saleem, Mohammad Z. Ahmed, **Yusuf Akhter**, Mohammad Mahfuzul Haque, Abdur Rub (2025). hsa-miR-330-5p regulates serine palmitoyltransferase long chain base subunit 1 and augments host protective immune response against Leishmania donovani infection. ***Archives of Microbiology.*** DOI: 10.1007/s00203-025-04325-z

24. A Sengupta, D Das, A Debnath, **Yusuf Akhter***, A Kumar. (2025). Adapting to salinity: structural dynamics of the DNA polymerase III beta subunit in *Salinibacter ruber*. ***Extremophiles***. DOI: 10.1007/s00792-025-01384-4.

25. T Faruqui, A Akhtar, F Showket, MJ Dar, **Yusuf Akhter***. (2025). Identification and evaluation of IGF1R and its associated proteins as targets and design of novel inhibitors for cancer therapy. ***Journal of Cellular Biochemistry.*** DOI: 10.1002/jcb.70008.

26. Subhash Kumar Yadav, Maneesha Mehra, Harsh Raj Mishra, and **Yusuf Akhter*** (2025)**.** Interpreting the COVID-19 infection data of Indian provinces for Alpha, Delta, and Omicron variants using ARIMA and Machine Learning. ***International Journal of Biomathematics.*** DOI: 10.1142/S1793524525500135**.**

27. Kumar, R., Singh, G., **Yusuf Akhter**,, Kaithwas, G., Agrawal, A.K., Singh, S. (2025). Structural Dynamics of OATP1A2 in Mediating Paclitaxel Transport Mechanism in Breast Cancer. ***Nanotheranostics***, 9(1), 52-62. DOI: 10.7150/ntno.103095.

28. Priyanka, Yusuf **Akhter***, & Sangeeta Saxena (2025). Association of *Catharanthus yellow mosaic virus* and a novel *Tomato leaf curl Lucknow betasatellite* with papaya leaf curl disease (PaLCD) in India. ***The Microbe****, 6*, 100256. DOI:10.1016/j.microb.2025.100256

29. Tapas Das, Manash C Das, Antu Das, Sukhen Bhowmik, Padmani Sandhu, **Yusuf Akhter**, Surajit Bhattacharjee, Utpal De (2025). Correction: Modulation of S. aureus and P. aeruginosa biofilm: an in vitro study with new coumarin derivatives. ***World Journal of Microbiology and Biotechnology.***DOI:10.1007/s11274-024-04221-6.

30. Pandey AR, Kumar A, Shrivastava NK, Singh J, Yadav S, Sonkar AB, Kumar D, Kumar R, Saeedan AS, Ansari MN, Aldossary SA, **Yusuf Akhter,** Kaithwas G. Advancing siRNA Therapeutics targeting MCT-4: A Multifaceted approach integrating Arithmetical Designing, Screening, and molecular dynamics validation. ***Int Immunopharmacol.*** DOI: 10.1016/j.intimp.2024.113980.

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33. Shams Tabrez, Zeeshan Fatima, Sajjadul, Sajjadul Kadir Akand, Areeba Rahman, Saif Hameed , Saleem Mohammed, **Yusuf Akhter**, Z Ahmed, Subhash Kumar Yadav, Yashwant kumar, Surajit Bhattacharjee and Abdur Rub (2024). Leishmania donovani Modulates Macrophage Lipidome During Infection. ***Parasite Immunology.*** DOI: 10.1111/pim.13066

34. Vinay Kumar, Pragya Anand, Ankita Srivastava, **Yusuf Akhter***, and Digvijay Verma. (2024). The structural insights of L-asparaginase from Pseudomonas aeruginosa CSPS4 at elevated temperatures highlight its thermophilic nature. ***3 Biotech.*** DOI: 14. 230. 10.1007/s13205-024-04072-w

35. Vinit Kumar, Gauri Shankar, & **Yusuf Akhter*** (2024). Deciphering drug discovery and microbial pathogenesis research in tuberculosis during the two decades of postgenomic era using entity mining approach. *Archives of Microbiology.* DOI:10.1007/s00203-023-03776-6

36. Vishwajeet Singh, Saif Ali Khan, Subhash Kumar Yadav, **Yusuf Akhter*** (2023) Modeling Global Monkeypox infection spread data: a comparative study of Time series regression and Machine learning models. ***Current Microbiology*** DOI: 10.1007/s00284-023-03531-6

37. Priyanka, Priyanka Varun, **Yusuf Akhter*** and Sangeeta Saxena. (2024). Molecular evidence of novel Begomoviruses and associated Betasatellite complexes linked to Papaya Leaf Curl Disease (PLCD) in Indian Provinces. ***Ecological Genetics and Genomics.*** DOI: 10.1016/j.egg.2024.100286.

38. Nidhi Sharma, Meenakshi Gupta, Pragya Anand, **Yusuf Akhter**, Noura Al-Dayan, Hind Abdul Majed, Subhrajit Biswas, Sher Ali and Maryam Sarwat. (2024). Mechanistic Insight into the Autophagic and Apoptotic Activity of Kaempferol on Liver Cancer Cells. ***OncoTargets and Therapy.*** DOI: 10.2147/OTT.S460359.

39. Gauri Shankar and **Yusuf Akhter***. (2024). Stealing Survival: Iron Acquisition Strategies of Mycobacterium tuberculosis. ***Biochimie.*** DOI: 10.1016/j.biochi.2024.06.006.

40. Shams Tabrez, Sajjadul Kadir Akand, Rahat Ali, Irshad Husain Naqvi, Neha Soleja, Mohd Mohsin, Mohammad Z. Ahmed, Saleem Mohammed, **Yusuf Akhter**, Suhel Parvez, AbdurRub. (2024). Leishmania donovani modulates host miRNAs regulating cholesterol biosynthesis for its survival. ***Microbes and Infection.*** DOI: 10.1016/j.micinf.2024.105379.

41. Adnan Kausar, Jitendra Narayan, Nishtha Mishra,**Yusuf Akhter**, Rajeev Singh, Amany Khalifa, Amel Bakri Mohammed El-Hag, Ruba Mustafa ElsaidAhmed,Neetu Tyagi, Sahil Mahfooz. (2024). Studying Human Pathogenic Cryptococcus Gattii Lineages by Utilizing Simple Sequence Repeats to Create Diagnostic Markers and Analyzing Diversity. ***Biochemical Genetics.*** DOI: 10.1007/s10528-024-10812-7.

42. Madhulika Kushwaha, Dharam Singh, **Yusuf Akhter***, Subhankar Chatterjee. (2024). Biodegradation of DEP, DIBP, and BBP by a psychrotolerant Sphingobium yanoikuyae strain P4: Degradation potentiality and mechanism study. ***Archives of Microbiology.*** DOI: 10.1007/s00203-024-03977-7.

43. Kriti Roopendra, Priyanka, Amaresh Chandra, **Yusuf Akhter***, Samgeeta Saxena. (2024) Transcriptome scale analysis to decode the differential sucrose accumulation mechanisms in sugarcane under the effect of gibberellin. ***Physiologia Plantarum.*** DOI: 10.1111/ppl.14290.

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45. Iqbal Azad, Pragya Anand, Naseem Ahmad, Firoj Hassan, Mohd Faiyyaz, **Yusuf Akhter***. (2024). Determination of anticancer activity and mechanism of action of benzooxazepines (BZOs) derivatives using multipronged computational and structural approaches. ***Chemical Physics.*** DOI: 10.1016/j.chemphys.2024.112243.

46. Gauri Shankar and **Yusuf Akhter***. (2024). Molecular insights into ferric-siderophore transport by the putative TonB-dependent transporter in Mycobacterium tuberculosis. ***Journal of Biomolecular Structure and Dynamics.*** DOI: 10.1080/07391102.2024.2322639.

47. Sabahat Yasmeen Sheikh, Firoj Hassan, Deepanjali Shukla, Shashi Bala, Tabrez Faruqi, **Yusuf Akhter**, Abdul Rahman Khan, Malik Nasibullah. (2024). A review on potential therapeutic targets for the treatment of leishmaniasis. ***Parasitology International.*** DOI: 10.1016/j.parint.2024.102863.

48. Subhash Kumar Yadav, Saif Ali Khan, Mayank Tiwari, Arun Kumar, Vinit Kumar, **Yusuf Akhter***.(2024). Taking cues from Machine Learning, Compartmental and Time Series models for SARS-CoV-2 Omicron infection in Indian Provinces. ***Spatial and Spatio-temporal Epidemiology.*** DOI: 10.1016/j.sste.2024.100634.

49. Garima Singh, Yuvaraju Venkataramaraju, Geetanjali Meher, Bhavani Shankar Sahu, Mohammed Saleem, and **Yusuf Akhter*** (2023). Distinct membrane perturbation effects of Catestatin and its CST-364 S variant: Insights from molecular simulations and anisotropy measurements. ***Biochimica et Biophysica Acta (BBA) – Biomembranes.*** DOI: 10.1016/j.bbamem.2023.184238.

50. Sutanu Maji, Pragya Anand and **Yusuf Akhter*** (2023). An Updated Account of Multifaceted Medicinal Values of Garlic: A Systematic Review. ***Current Traditional Medicine.*** DOI: 10.2174/0122150838254577230926114153

51. Pranesh Kumar, Tabrez Faruqui, Ajay K. Yadav, Dinesh Chandra, Saumya Verma,Sudipta Saha, Jawahar L. Jat and **Yusuf Akhter*** (2023). Targeting caspase pathway by novel N-Me aziridine derivatives for hepatocellular carcinoma drug discovery. ***Journal of Biomolecular Structure and Dynamics.***DOI: 10.1080/07391102.2023.2274520.

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Nature publishing group
***Molecular Systems Biology,* 6:386**.

163. Pramod Kumar, Dhananjay C. Joshi, Mohd Akif, **Yusuf Akhter**, Seyed E. Hasnain and Shekhar C. Mande. (2010). Mapping Conformational Transitions in the Cyclic AMP Receptor Protein: Crystal structure and Normal Mode Analysis of *M. tuberculosis* apo-cAMP Receptor Protein.
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164. **Yusuf Akhter**, SailuYellaboina, Aisha Farhana, Akash Ranjan, Niyaz Ahmed and Seyed E Hasnain (2008). Genome scale portrait of cAMP Receptor Protein-Regulons in Mycobacteria points to their role in pathogenesis.
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***International Journal of Medical Microbiology*, 297, 451–457.**

166. **Yusuf Akhter**, Irshad Ahmed, S. Manju Devi and Niyaz Ahmed (2007). The co-evolved *Helicobacter pylori* and gastric cancer: Trinity of bacterial virulence, host susceptibility and lifestyle.
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***Infect Agent Cancer*, 4, 2:2.(Highly Accessed Article)**

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International Union of Crystallography
Acta Crystallography F,62(Pt 9): 873-5.

169. Smanla Tundup, **Yusuf Akhter**, D Thiagarajan, and Seyed E. Hasnain. (2006). Clusters of PE and PPE genes of *Mycobacterium tuberculosis* are organized in operons: evidence that PE Rv2431c is co-transcribed with PPE Rv2430c and their gene products interact with each other.
Elsevier
FEBS Lett.580: 1285-93.

For an updated complete list of publications, please logon to: http://www.ncbi.nlm.nih.gov/pubmed/?term=yusuf+akhter
https://www.researchgate.net/profile/Yusuf-Akhter/publications

Book Chapters

1. Subhash K Yadav and **Yusuf Akhter**. (2021). Statistical Measures for Biological and Medical Sciences. In Himanshu Pandey (Eds.), *Advances in Mathematical and Statistical Modeling* (Vol. 1). Weser Books, Zittau, Germany. ISBN: 978-3-96492-334-9.

2. **Yusuf Akhter**. (2021). Bioprospecting: Boon or Curse. In R. C. Sobti & A. Sobti (Eds.), *Biomedical Translational Research*. Springer, Singapore. ISBN: 978-981-16-4345-3.

3. **Yusuf Akhter**, Razak Hussain (2019) Protein-Protein complexes as a target for drug discovery against infectious disease In Book: - Advances in Protein Chemistry and Structural Biology: Volume 123. Protein Interactions as Targets in Drug Discovery Edition: 1st Edition Elsevier, DOI: 10.1016/bs.apcsb.2019.11.012

Authored Books

1. **Yusuf Akhter** (2013), cAMP Receptor Proteins from Mycobacteria: Potential drug target against tuberculosis. Saarbrücken, Germany: AV Akademikerverlag GmbH & Co. KG. ISBN 978-3-639-51177-2.

Edited Books

1. Pankaj Chowdhary, Abhay Raj, Digvijay Verma, **Yusuf Akhter** (2020) Microorganisms for Sustainable Environment and Health
   Publisher: Elsevier, ISBN: 9780128190012

Research Supervision

	Completed	Ongoing
PG/M.Phil	**65**	**05**
Ph.D	**10** Dr. Aarti Rana (Currently working as Research Associate at IISc Bangalore) Dr. Padmani Sandhu (Currently Project Scientist at CSIR-IMTECH, Chandigarh) Dr. Indu Kumari (Currently working asBioinformatics Data Curator at Regional Centre for Biotechnology Delhi, India) Dr Shikha Sharma, Dr Razak Hussain (Assistant Professor-contract, at Central University of Jammu) Dr. Sabahat Yasmeen Sheikh (Working at Integral University, Lucknow) Dr Tabrez Faruqui (Working at Era Medical University, Lucknow) Dr Garima Singh (CSIR-NBRI) Dr Gauri Shankar (State Forest Department) Dr Aveepsa Sengupta	**04**
Post-Doctoral	1. Dr Shahebraj Khan. (completed CSIR-Research Associateship in 2020) University of Illinois at Chicago 2. Dr Madhu Yadav 3. Dr Mohammad Kashif	

Patents/Intellectual Property Right granted

1. **Ratika Srivastava, Yusuf Akhter, & Jawahar Lal Jat** (2025). *A Process for the Preparation of 1,3-dioxo-1H-benzo[de]isoquinolin-2(3H)-yl naphthalene-2-sulfonate* (FRP-024). Patent No. **IN590402**, Application No. 202521072221. The Patent Office, Government of India. Filed: 29 July 2025; Granted: 26 May 2026. FRP-024, a novel BST-2 antagonist molecule developed as a therapeutic candidate for Lupus Nephritis, a severe autoimmune manifestation of Systemic Lupus Erythematosus for which treatment options remain limited. (Valid for 20 years from the date of filing under the Patents Act, 1970.)

Editorial Assignments

1. Editor-in-Chief, ***Archives of Microbiology,*** published by Springer-Nature, Berlin (since 2023).
2. Executive Editor, ***Archives of Microbiology,*** published by Springer-Nature, Berlin (2021-2022).
3. Associate Editor, ***Frontiers in Microbiology*** published by Frontiers Media, Switzerland (since 2021).
4. Editorial Board Member, ***Scientific Reports,*** published by Springer Nature, United Kingdom (since 2019)

5. Associate Editor, ***Frontiers in Genetics*** (Bioinformatics and Computational Biology) published by Frontiers Media, Switzerland (since 2018)
6. Associate Editor, ***BMC Genomics*** published by BioMed Central, United Kingdom (since 2018)
7. Associate Editor, ***BMC Microbiology*** published by BioMed Central, United Kingdom (since 2016)
8. Associate Editor, ***Archives of Microbiology*** published by Springer (2016-2021)
9. Member, Editorial Board, **Cogent *Biology*** published by Taylor & Francis (2016-2019)
10. Member, Editorial Board, ***Protein and Peptide Letters*** published by Bentham Science Publishers (since 2016)
11. Review Editor in the Editorial Board of ***Frontiers in Microbiology, Frontiers in Medicine*** and ***Frontiers in Public Health*** (since 2016)

Honors, Recognition and Awards

1. *Certificate of Appreciation (**Distinguished Alumnus**)*, Smriti Rangam 2026 Mega Alumni Meet
   Awarded in recognition of outstanding professional achievements, academic excellence, and invaluable contributions to the scientific community, and for deep-rooted commitment, mentorship, and unwavering support to fellow Navodayans. Presented by **the Jawahar Navodaya Vidyalaya (JNV) Ayodhya Alumni Organizing Committee**, Batches 1995 and 1996, on 25 October 2026.
2. **Springer Nature Editor of Distinction — Author Service Award 2026**, *Archives of Microbiology*, presented by Springer Nature (Signed by Ritu Dhand, Chief Scientific Officer, Springer Nature).
3. **Springer Nature Editor of Distinction — Editorial Contribution Award 2026**, *Archives of Microbiology*, presented by Springer Nature (Signed by Ritu Dhand, Chief Scientific Officer, Springer Nature).
4. ***SciRank Global Certificate of Recognition*** *(2025).* Ranked among the **World's Top 5% Scientists** (Global Rank: #802,416) in the 2025 SciRank Global Registry, based on rigorous bibliometric analysis. Affiliation: Babasaheb Bhimrao Ambedkar University, Lucknow. Verification ID: A3069208301. Issued: 17 May 2026. (Digitally verifiable at scirankglobal.org)
5. ***SBBS Senior Scientist Award 2025***
   Awarded in recognition of meritorious and significantly outstanding scientific contributions in the field of Biotechnology.
   Presented by the Society for Bioinformatics and Biological Sciences (SBBS), July 2025.
6. ***Editorial Contribution Award 2025***
   Awarded in recognition of significant editorial contributions to the journal *Archives of Microbiology*.
   Presented by Springer Nature, May 2025.
7. ***Author Service Award 2025***
   Presented for outstanding service to the journal *Archives of Microbiology*. Awarded by *Springer Nature*, May 2025.
8. ***Best Teacher Award 2025*****,** from Babasaheb Bhimrao Ambedkar University, Lucknow, for outstanding contribution in teaching and education, September 2025.
9. ***Research and Academic Excellence Award 2019,*** in the discipline of Life Sciences & Environmental Science by Babasaheb Bhimrao Ambedkar University, Lucknow. India.
10. ***The Top Peer Reviewer 2019 Award,*** in Biology and Biochemistry, an international award honoring the elite contributions to scholarly peer review and editorial pursuits internationally. This is given by *Publons, which* is a Web of Science database of international peer reviewer experts.
11. ***Top Reviewer for Multidisciplinary Sciences 2018*****,** from *Publons* for the contribution as top one percent contributing scientists worldwide in the role of peer-reviewer and editorial board member of various international journals.

12. ***Publons Peer Review Award 2017*** from Publons for the contribution as one of the **top one percent** contributing scientists worldwide in the role of peer-reviewer and editorial board member of various international journals in the field of ***Molecular Biology, Genetics and Biochemistry.***
13. ***Publons Peer Review Award 2017*** from Publons for the contribution as one of the **top one percent** contributing scientists worldwide in the role of peer-reviewer and editorial board member of various international journals in the field of ***Medicine.***
14. ***Sentinel of Science Award 2016*** from ***Publons*** for the contribution as top ten percent contributing scientists world-wide as a peer-reviewer and editorial board member of various international journals in the field of **Biochemistry, Genetics and Molecular Biology.**
15. **Young Investigator Award 2015,** from India Biosciences/EMBO/Welcome Trust-DBT Alliance to present research at YIM held at Gulmarg ,J&K, March 2015
16. European Molecular Biology Organization (EMBO) long-term research fellowship (Jan, 2011-Nov., 2012).
17. Appointed as Visiting Lecturer at Faculty of Biosciences and Bioengineering, Universiti Technologi Malaysia (UTM), Johor Bahru, Johor, Malaysia (2011).
18. The Bill and Melinda Gates Foundation Global Health Travel Award to attend the Keystone Symposia "Mycobacteria: Physiology, Metabolism and Pathogenesis" to be held at Vancouver, British Columbia, Canada (15-20, January, 2011).
19. Poster of the Day title awarded for presentation made at the EMBO-meeting, 2010 (4-7, September), Barcelona, Spain.
20. The Bill and Melinda Gates Foundation Global Health Travel Award to attend the Keystone Symposia "Tuberculosis: Biology, Pathology and Therapy", held at Keystone Resort, Keystone, Colorado, USA on Jan 25 - Jan 30, 2009. (One among 55 awardees worldwide for year 2009)
21. DAAD (German Academic Exchange Service) long-term Doctoral Fellowship to work at European Molecular biology Laboratory, Hamburg, Germany, 2007–2009. (One among 22 awardees from India in 2007)
22. Selected in worldwide competition and attended "The MEETING OF NOBEL LAUREATES (Physiology & Medicine) and Young researchers at Lindau, Germany during 1-6 July 2007" (One among 23 awardees from India for 2007 meeting)
23. Department of Science and technology (Govt. of India) travel award to attend Lindau Meeting of Nobel laureates and Young researchers 2007, Germany.
24. ISBC travels grant winner to attend "International School of Biological Crystallization 2009 at Granada, Spain (18-22 May 2009)".
25. Qualified National Eligibility Test (NET) and received funding in the form of Junior Research Fellowship for Graduate level research from Council for Scientific and Industrial Research (Govt. of India), June. 2004 (stood in top 20% qualified researchers).
26. Qualified GATE 2004 (Graduate Aptitude Test for Engineering) conducted by IIT Delhi, New Delhi India with 91.43 percentile.
27. Recipient of "Certificate of Merit" by Central Board for Secondary Examination, New Delhi for securing 0.1 Percent top ranker position in CHEMISTRY (97%) at 10+2 level, 1998.
28. Recipient of Tasmia Merit Scholarship for best academic performance at Masters level university exams in Jamia Hamdard (2003-2004).

Membership of Professional Bodies

1. Life Member, Society of Biological Chemists, India, (since 2013)
2. Member, Federation of European Biochemical Societies (FEBS) (2010-2012)
3. Member, International Union of Biochemistry and Molecular Biology (IUBMB) (2010-2012)

4. Member, Gesellschaft für Biochemie und Molekularbiologie (German Society for Biochemistry and Molecular Biology) (2010-2012)
5. Member, TB structural genomics consortium, University of California, LA, USA (since 2004)

Seminar/Conference/Symposia /Workshops Organized

1. **Yusuf Akhter.** Attended as invited delegate at the seminar on Innovative Software for Molecular Discovery and Design at Central Drug Research Institute, Lucknow (Organized by Cresset Bimolecular Discovery Limited), 20th November, 2018
2. **Yusuf Akhter.** Selected and presented the research work at Young Investigator Meet 2015 (Organized by India Biosciences in collaboration with EMBO, University of Kashmir and Welcome Trust-DBT Alliance) held at The Khyber Himalayan Spa and Resort at Gulmarg, Srinagar, Jammu & Kashmir (28 March-01 April, 2015).
3. **Yusuf Akhter.** Selected to attend and present the research work at Young Investigator Meet 2014 (Organized by India Biosciences in collaboration with EMBO and Welcome Trust-DBT Alliance) held at Ramoji Film City, Hyderabad (9-13 February, 2014) (Not attended).
4. **Yusuf Akhter.** "Deciphering the 'Pup code' on its substrates" Poster presentation made at: "EMBO Conference : Tuberculosis 2012", Institute Pasteur, Paris, France, (11-15 September, 2012)
5. **Yusuf Akhter**, Elke Noens, Micheal Zimmermann, Uwe Sauer and Matthias Wilmanns. "Deciphering the 'Pup code' on its substrates". Highlight talk presented at: Second Annual Meeting of European System TB consortium and Workshop on Hypoxia, at: Hotel "La Palma" Stresa, Italy (4 - 7 March 2012).
6. **Yusuf Akhter**, Elke Noens, Micheal Zimmermann, Uwe Sauer and Matthias Wilmanns. "Towards deciphering the 'Pup code' on its substrates". Poster presentation made at: Ubiquitin and Uboquitin like Modifiers: From Functional Module to Systems Biology, EMBO Conference series, Hotel Croatia, Cavtat, Croatia (21-25 September, 2011)
7. **Yusuf Akhter**, Delphine Chesnel, Elke Noens and Matthias Wilmanns. "Pupylation: The New 'Old' Protein Modification Pathway". Poster session presented at: the Keystone Symposia "Mycobacteria: Physiology, Metabolism and Pathogenesis" held at Vancouver, British Columbia, Canada (15-20, January, 2011).
8. **Yusuf Akhter**, Delphine Chesnel, Elke Noens and Matthias Wilmanns. "Pupylation: The New 'Old' Protein Modification Pathway". Poster session presented at: EMBO-meeting, 2010, Barcelona, Spain. (4-7, September 2010).
9. **Yusuf Akhter**, Delphine Chesnel, Elke Noens and Matthias Wilmanns. "Pupylation: The New 'Old' Protein Modification Pathway". Poster session presented at: First Annual Meeting of European System TB consortium and Workshop on TB Biology and Modeling, Château Liblice, Czech Republic (21 - 24 March 2011).
10. **Yusuf Akhter**, Simon J. Holton, Helmy Rachman, Jörg Schreiber, Seyed E. Hasnain, Stefan H.E. Kaufmann and Matthias Wilmanns. "Structure-based identification of physiological response motifs in *Mycobacterium tuberculosis* transcription factors". Poster session presented at: the Keystone Symposia "Tuberculosis: Biology, Pathology and Therapy", Keystone Resort, Keystone, Colorado, USA (Jan 25 -Jan 30, 2009).
11. **Yusuf Akhter** and Seyed E. Hasnain. "Cloning, expression and characterization cAMP receptor protein from *Mycobacterium tuberculosis*". Poster session presented at: New Frontiers in Tuberculosis Research", International Centre for Genetic Engineering & Biotechnology, New Delhi, India (4-6 December, 2006).

Countries Visited

- Germany
- France
- Switzerland
- Spain
- Italy
- Croatia
- Czech Republic
- USA
- Canada

- Malaysia

Invited Lectures/Talks/Chair/Co-Chair in Seminar/Conference/Symposia /Workshops

2026

1. Delivered an invited lecture and workshop session as a Resource Person, entitled “Targeting Membrane Proteins for Drug Discovery,” in the Faculty Development Programme “Bioinformatics and Computational Approaches in Biomedical and Drug Discovery Research” organized by the School of Pharmacy, Chandigarh University Uttar Pradesh (Unnao Campus), held on November 18-20, 2026; the session was delivered on Day 1, November 18, 2026.
2. Delivered an invited talk entitled “Precision by Design: Artificial Intelligence in Drug Discovery and Diagnostics for Personalised Medicine” in the 5th International Conference on Personalized Medicine (ISPMCON-2026, Hybrid Mode), “Predict, Prevent, Personalize: Shaping the Future of Health,” organized by the Department of Personalized and Molecular Medicine, Era University, Lucknow, under the aegis of the Indian Society of Personalized Medicine (ISPM), held on November 13-14, 2026.
3. Delivered an Invited Lecture on "Innovation Rooted in Tradition: Structure-Guided Drug Discovery and the Case for Indian Knowledge Systems in Sustainable Therapeutics," in the Two-Week Online Refresher Course on Environmental Sustainability through Indian Knowledge System and Innovation, organized by the Malaviya Mission Teacher Training Centre, Jamia Millia Islamia, New Delhi, held on September 2, 2026.
4. Served as an Invited Panellist on the "Namaste UP" programme at Doordarshan Kendra, Lucknow, providing a platform for an in-depth public discussion on "The Role of Modern Biotechnology in the Development of Medical Sciences," held on May 14, 2026.
5. Served as an Invited Panellist at the "AI Conclave: Science, Society & Future (SSF-1.0)", organized by the Faculty of Sciences, Chandigarh University Uttar Pradesh, held on April 20–21, 2026.

2025

6. Served as a Resource Person and delivered an invited lecture on "Understanding Antimicrobial Resistance: The Growing Global Health Threat and Possible Solutions" at a National event organized by the Central Research Institute of Unani Medicine, Lucknow (Uttar Pradesh) and the Central Council for Research in Unani Medicine, New Delhi, on November 22, 2025.
7. Delivered an invited talk titled "Drug Efflux Mechanisms in Mycobacterium tuberculosis: Insights into Antimicrobial Resistance and Novel Drug Discovery" in the Global Discussion "Alumni for Sustainable Development Goals – DAAD Web Talk Series 2025" organized by DAAD on June 11, 2025.
8. Delivered an invited lecture as Resource Person in the "Faculty Development Programme on Data Analytics in Research Methodology" organized by Hindu College Moradabad (with IQAC), Digvijai Nath Post Graduate College, Gorakhpur, and Science Tech Institute, Lucknow, during May 21–27, 2025.
9. Delivered an invited lecture as Resource Person in the "One Week Online Training Course on Good Clinical Practices (GCP)" organized by Resilient Foundation for Academic Innovation & Scientific Research, New Delhi, March 17–23, 2025.
10. Delivered an invited lecture on "Recent Innovations in Biotechnology, Bioinformatics, Biological Sciences, and Pharmaceutical Sciences" at the National E-conference "Frontiers in Agricultural, Veterinary and Biological Sciences (FAVBS-2025)" organized by SBBS, ARDO, and K L College of Agriculture, KLEF, March 8–9, 2025.
11. Delivered an invited talk in the "One Week Online Refresher Course on Research Methodology & Data Analysis" organized by Faculty of Nursing, SGT University, in collaboration with Resilient Foundation for Academic Innovation & Scientific Research, February 21–27, 2025.

2024

12. Delivered an invited talk at the National Seminar on "Harnessing Artificial Intelligence and Machine Learning for Ayush: Prospects and Challenges" organized by CCRUM, Ministry of Ayush, Government of India, held at CRIUM, Lucknow, December 16, 2024.
13. Delivered an invited talk on "Research Writing" at the One Week Online International Workshop on Biostatistics organized by Resilient Foundation for Academic Innovation & Scientific Research, New Delhi, and Biostatistics Consortium, INDIA, August 22–28, 2024.
14. Delivered an invited lecture on "Role of Efflux Pumps in Antimicrobial Resistance" at the One-Day Symposium "Current Trend of Interdisciplinary Research in Microbiology" organized by Department of Microbiology, Assam University, Silchar, February 28, 2024.
15. Delivered an invited lecture on "Unlocking Drug Discovery using Transcriptome Analysis: From Traditional Single Transcript to Systems Scale Next-Gen Transcriptomics" at KARYASHALA (Workshop) organized by Department of Pharmaceutical Sciences, BBAU, Lucknow, sponsored by SERB-DST, March 7–13, 2024.

2023

16. Delivered an invited lecture on "Research Writing" in a special session for PhD students organized by Central University of Himachal Pradesh, Dharamshala, December 26, 2023.
17. Delivered a keynote lecture entitled "Discovering Anti-infectives Using High Throughput Drug Discovery Pipelines" at an online workshop organized by Faculty of Biotechnology and Faculty of Biosciences, Shri Ramswaroop Memorial University, October 12, 2023.
18. Delivered an invited lecture on "Plagiarism & Research Writing" at a National event organized by Science Tech Institute, Lucknow, in collaboration with Digvijai Nath Post Graduate College, Gorakhpur, Uttar Pradesh, on June 22, 2023.
19. Delivered an invited lecture entitled "Drug Discovery Pipelines: A Case of Discovering Anti-infectives" at a One-day Workshop on Computer-aided Drug Design organized by NIPER-Raebareli under SSR of SERB and Altem Technologies Pvt Ltd, July 10, 2023.

2022

20. Delivered an invited lecture entitled "Antimicrobial Resistance Through Drug Efflux: Molecular Evolution to Molecular Mechanisms" at the Lecture Series cum Awareness Program on Antimicrobial Resistance organized by GGV, Bilaspur, November 18–24, 2022.
21. Delivered an invited lecture entitled "Current Trends in Drug Discovery Against COVID-19" at the International Conference "Post COVID Trends of Biological Sciences Towards Research, Therapeutic, Innovation, and Entrepreneurship" organized by Sri Sathya Sai College for Women, Bhopal, November 11–12, 2022.
22. Delivered an invited lecture on "Understanding the Role of Teacher as a Good Researcher" at the Refresher Course in Teacher Education organized by UGC-HRDC, University of Kashmir, September 3, 2022.
23. Delivered an invited lecture as Resource Person in the Two-Week FDP "Computational Tools for Drug Discovery: An Approach Towards Sustainable Development Goals" organized by Department of Chemistry, Integral University, Lucknow, June 6–18, 2022.
24. Delivered an invited lecture as Resource Person in the One-Week Online FDP on "Advanced Research Methodology" organized by Amiruddaula Islamia Degree College, Lucknow, and Science-Tech Institute, Lucknow, March 21–27, 2022.

2021

25. Delivered an invited lecture entitled "Future Prospects of Molecular Technologies in Biological Research" at a Two-Week PDP organized by Department of Biosciences, Integral University, November 23–December 8, 2021.

26. Delivered an invited lecture entitled "Nai Shiksha Neeti 2020 Ka Saraansh" at a national webinar organized by Shaskiya Mahavidyalaya, Mehdawani, Dindori, Madhya Pradesh, November 11, 2021.

27. Delivered an invited lecture entitled "Intellectual Property Rights in Biotechnology" at the Two-Week PDP on "Relevance & Protection of Intellectual Property Rights" organized by Department of Chemistry, Integral University, November 8–22, 2021.

28. Delivered an invited lecture entitled "Research Writing, Journal Databases, and Research Metrics" at the Department of Zoology/Centre for Molecular Biology, Central University of Jammu, August 7, 2021.

29. Delivered an invited lecture entitled "Publication Ethics and Misconduct" at the Department of Zoology/Centre for Molecular Biology, Central University of Jammu, August 7, 2021.

30. Delivered an invited lecture entitled "The Crux of National Education Policy-2020" at a Faculty Development Program organized by Mahant Digvijaynath PG College, Gorakhpur, and Science-Tech Institute, Lucknow, June 25, 2021.

31. Delivered an invited lecture entitled "Drug Discovery Against Infectious Diseases with Special Reference to COVID-19" at the seminar "COVID-19, Call of the Hour, Awareness and Drug Discovery" organized by Mohanlal Sukhadia University, Udaipur, May 16, 2021.

32. Delivered an invited lecture entitled "Publish or Perish" at the same workshop at The Neotia University, Kolkata, March 22–27, 2021.

33. Delivered an invited lecture entitled "Drug Discovery Against SARS-CoV-2" at the training "An Approach Towards the Development of Human Resources in Life and Allied Sciences" organized by The Neotia University, Kolkata, March 22–27, 2021.

34. Delivered an invited lecture entitled "Tools & Techniques for Research Methodology" at the One Week Online Training Program on TTRM-2021 organized by Science-Tech Institute, Lucknow, January 12–18, 2021.

2020

35. Delivered an invited lecture entitled "How to Present Scientific Models in Smart Ways?" at the DST-INSPIRE Awards-MANAK Workshop organized by District Education Officer, Jagdalpur Bastar, Chhattisgarh, January 13, 2021.

36. Delivered an invited lecture entitled "In Silico-Based Inhibitor Design Approaches Leading to Drug Discovery Against Infectious Diseases" at AICTE-sponsored STTP organized by KCIT, Coimbatore, August 3–8, 2020.

37. Delivered an invited lecture on "Publication Ethics" at the International (within country) One-Week Online International Workshop on Research Methodology & Data Analysis (RMDA-2020), held during September 7–13, 2020, organized by Science-Tech Institute, India, in collaboration with Global Knowledge Foundation (GKF), USA.

38. Delivered an invited lecture entitled "Publishing Ethics" at the National Webinar on "Safety & Immunity Enhancement for COVID-19" organized by Ramabai Ambedkar Degree College, Gajraula, May 12–13, 2020.

39. Delivered an invited lecture entitled "SARS-CoV-2 (COVID-19) के खिलाफ ड्रग डिस्कवरी" at a National Webinar organized by Govt. Degree College, Pihani, Hardoi, May 18, 2020.

40. Delivered an invited lecture entitled "Drug Discovery Against SARS-CoV-2 (COVID-19)" at the conference "Current Progress and Future Prospects of Biotechnology" organized by CBIT, Andhra Pradesh, June 8, 2020.

2019

41. Delivered an invited lecture entitled "Macromolecular Structure Databases" at the Diamond Jubilee Bioinformatics Workshop, CSIR-CIMAP, Lucknow, March 17–18, 2019.

42. Delivered an invited lecture entitled "Transcriptomics Data Analysis: Bioinformatics Perspective" at the Diamond Jubilee Bioinformatics Workshop organized by CSIR-CIMAP, Lucknow, March 17–18, 2019.

43. Delivered an invited lecture entitled "Drug Efflux in Mycobacterium tuberculosis: From Molecular Mechanisms to Molecular Evolution" at the National Conference on Interdisciplinary Advancements in Biochemistry, Dr. RML Avadh University, Ayodhya, March 28–29, 2019.

2018

44. Delivered an invited lecture entitled "Mechanistic Studies on Drug Resistance in Tuberculosis: Computational Efforts" at the Symposium "Accelerating Biology 2018," C-DAC, Pune, January 9–11, 2018.

45. Delivered an invited radio talk entitled "Role of Microbes and Sustainable Development" at Gyanvani FM Channel (IGNOU), Akashvani, Lucknow, February 8, 2018.

46. Delivered an invited lecture entitled "The Chemistry of Living Things" at the Department of Chemistry, Integral University, Lucknow, February 1, 2018.

2017

47. Delivered an invited lecture entitled "Tackling Drug Resistance in Tuberculosis: Where We Are?" at the National Symposium cum Workshop on Bioinformatics for Medical Research organized by PGIMS, Chandigarh, January 20–21, 2017.

2014

48. Delivered an invited talk and hands-on session at a DBT-sponsored workshop "Protein Structure Prediction and Molecular Docking" at Himachal Pradesh University, Shimla, October 27–31, 2014.

2013

49. Delivered an invited talk entitled "Fighting Drug-Resistance: Will it be Possible to Eradicate Tuberculosis?" at Department of Chemistry, IIT-Delhi, November 26, 2013.

2011

50. Delivered an invited talk entitled "Molecular and Structural Studies on Protein Targets from Mycobacterium tuberculosis" at Central Drug Research Institute-CSIR, Lucknow, August 25, 2011.

51. Delivered a visiting lecture entitled "Molecular and Structural Studies on Protein Targets from Mycobacterium tuberculosis" at Institute of Biological Science, University of Malaya, Kuala Lumpur, February 14, 2011.

52. Delivered a scientific disclosure entitled "Molecular and Structural Studies on Protein Targets from Mycobacterium tuberculosis" at Senate Hall, Universiti Teknologi Malaysia, Johor, February 9, 2011.

2010

53. Delivered a highlight talk entitled "Pupylation: The New 'Old' Protein Modification Pathway" at the EMBL Postdoc Retreat 2010, Lübeck, Germany, November 8–10, 2010.

Additional Information (If Any)

- Grant evaluator for Agencenationale de la recherché (French National Research Agency) (since 2018).
- Grant evaluator for Consejo Nacional de Ciencia y Tecnología (the National Council of Science and Technology), Mexico (since 2019).
- Serves in several international scientific journals/publications such as Nature publishing group, PLoS journals, Biomed central, Taylor & Francis, Springer, Elsevier etc. and acted as peer reviewer for more than hundred manuscripts so far.
- Have won several prizes in sports and debate competitions at college and university levels.