Professor Amit Mishra
Principal Investigator-Cellular and Molecular Neurobiology
Indian Institute of Technology Jodhpur-(http://home.iitj.ac.in/~amit/)

Research Interest:

My primary research focus is on "Neuronal Chemical Intelligence Against Proteome Complexity." I am fascinated by investigating the role of E3 ubiquitin ligases and molecular chaperones involved in the degradation of aberrant polypeptides associated with aging, neurodegeneration, and cancer.

Academic Achievements:

- Ph.D. in Neuroscience from **National Brain Research Centre, India**
- Indian Society of Chemists and Biologists declared **"Best Ph.D. Thesis Award"**
- Masters in Biotechnology**: Honour's** School of Biotechnology, DAVV, Indore, India
- Bachelors in Science**: First** Division Agra College Agra

Academic Appointments:

- 2023- Continue: Professor (Indian Institute of Technology Jodhpur)
- 2019-2023: Associate Professor (Indian Institute of Technology Jodhpur)
- 2011 and 2014: Visiting Professor (Riken Brain Science Institute, Japan)
- 2008-2010: Post-Doctoral Scientist (Max Planck Institute Cellular Biochemistry, Munich, Germany)
- 2003-2007: Ph.D. Scholar (National Brain Research Centre, India)

International and National Academic Credential Records:

Present: **h-index:33 i10-index:83 Citations More than 17179**

- Total Impact Factor of Publications**: 814.45**
- 2000 Selected in Bachelor in Pharmaceutical, All India Rank **04**
- 2001 Masters in Biotechnology, JNU Exam, All India Rank **34**
- 2003 Council of Scientific and Industrial Research (CSIR) Test
- 2003 Graduate Aptitude Test in Engineering (GATE) IIT, Score **99.05** percentile, All India Rank- **31**
- 2007 Global selection for research program in **Riken Brain Science Institute, Japan**
- Selected for Max Planck Society Fellowship: **Prof. Ulrich Hartl** (Director, Max Planck Institute)

Achievements Awards/Honors (International and National):

- National Academy of Medical Sciences (NAMS) India: Best Research (Dr. Bhargava) Biomedical Scientist Drug Development Award
- Best Biomedical Scientist Award: Translational Biomedical Research Society (TBRS), India
- Coveted Honour: Melpadom George A.V Jones Scientist Merit Award
- IIT Jodhpur Research Excellence Award: In presence of Principal Secretary Prime Minister of India
- Coveted Honour Malaviya Memorial Award-Biotech Research Society of India (BRSI)
- Indian Academy of Biomedical Sciences (IABS) eminent Shri Om Prakash Sharma Award, India
- Prestigious Shakuntala Amir Chand Prize-Indian Council of Medical Research (ICMR) India
- Best Scientist Award in Biological Sciences: Indian Society of Chemists and Biologists India.
- Coveted Early Career Researcher Award Commonwealth Science Royal Society London, UK
- Prof. Rita Mulhekar Award from Indian Society of Cell Biologists (ISCB), India

- Best Scientist Award-National Academy of Biological Sciences (NABS), India
- Neurochemistry-Young Investigator Award from Asian-Pacific Society of Neurochemistry
- Prof. H.S. Srivastava Memorial Young Scientist Award, PHSS Foundation, India
- Genetics Researcher Award Presented by Nobel Laureate–Medicine (Prof. Harald Zur Hausen) and Prof. M.S. Swaminathan, Fellow Royal Society of London, UK
- Prof. Umakant Sinha Memorial Award-Indian Science Congress Association–Meritorious Research in New Biology
- Best Scientist Award Biotech Research Society India (BRSI), India
- Innovative Young Biotechnologist Award (IYBA)-Department of Biotechnology (DBT), India
- Indian National Science Academy (INSA)-Young Scientist Medal Award
- Ramalinganswami Fellowship Department of Biotechnology (DBT), India
- Indian Science Congress Association (ISCA)–Best Young Scientist Award (New Biology)
- INSA-Japan Society for The Promotion of Science (JSPS) International Fellowship
- Best PHD Thesis-2008 Award Biological Sciences-Indian Society of Chemists and Biologists
- BRNS-Bhabha Atomic Research Centre (BARC)-Young Scientist Research Award
- National Academy of Sciences, India (NASI)- Young Scientist Platinum Jubilee Award
- DST-Japan Society Promotion of Science (JSPS) Fellowship, International-India and Japan
- Max Planck Society Fellowship, Germany
- Riken Brain Science Institute Fellowship, Japan Summer Research Fellowship
- Best Presentation Award (Ist Prize) S. S. Parmar Foundation Prize, USA

Scientific Grants/Fellowships:

- BRNS/BARC-Department of Atomic Energy (DAE) India research grant
- DBT, India - IYBA Project (Ministry of Science and Technology) India
- Indian National Science Academy and the Japan Society for the Promotion of Science (JSPS)
- DBT India-Ramalinganswami Project (Ministry of Science & Technology) India
- Department of Science and Technology (DST), Ministry of Science & Technology, Government of India and the Japan Society for the Promotion of Science (JSPS) Programme
- Extra Mural Research Funding (Individual Centric) Awarded: SERB, DST India
- BRNS/BARC-Department of Atomic Energy (DAE) India research grant

- DST-SERB Fast Track “Young Scientist Research Award (Not Availed)
- Internal Institute Project Approved by R&D Section (IIT Jodhpur) and external members
- Extra Mural Research Funding (Individual Centric): (SERB), DST, Government of India
- Fellow of Indian Academy of Neuroscience
- Fellow of Royal Society of Biology, London, UK
- Fellow of The Royal Society of Medicine, London
- Selected “Executive Board Member Indian Academy of Neuroscience (IAN) India
- National Academy of Sciences India (NASI) Selected as a Member of NASI, India
- National Academy of Medical Sciences India Distinguished Life Time Membership
- Candidature selected: Member of Royal Society of Biology (RSB), London
- Royal Society of Chemistry (RSC), London Selected as A Member of RSC, London
- Founding Member of Indian National Young Academy of Science (INYAS)-INSA
- Council of Scientific and Industrial Research (CSIR), India Fellowship
- Graduate Aptitude Test in Engineering (GATE) IIT, Score 99.05 Percentile, All India Rank- 31

Editorial Manager Board (Members/Reviewer):

1. Biotechnology Advances
2. Molecular Phylogenetics and Evolution
3. Neuroscience
4. Bioorganic and Medicinal Chemistry
5. Biochemie
6. Scientific Reports (Nature Publishing Group)
7. Frontiers in Molecular Neuroscience
8. Molecular and Cellular Neuroscience
9. Bioorganic & Medicinal Chemistry
10. European Journal of Biophysics
11. Journal of Virological Methods
12. Frontiers in Molecular Biosciences
13. Frontiers in Bioscience
14. European Journal of Medicinal Chemistry
15. Progress in Neurobiology
16. BBA-Gene Regulatory Mechanisms
17. Pharmacological Research
18. Biomedicine & Pharmacotherapy
19. Medicinal Research Review
20. Ageing Research Reviews
21. Life Sciences
22. Brain Network Disorders
23. Cancer Cell Research

Extra Mural Grants Awarded:

- BRNS/BARC-Department of Atomic Energy (DAE) India research grant
- Department of Biotechnology India –IYBA Project (Ministry of Science and Technology) India
- Indian National Science Academy and the Japan Society for the Promotion of Science (JSPS)
- Department of Biotechnology, India -Ramalinganswami Project India
- DST Government of India and the Japan Society for the Promotion of Science (JSPS)
- BRNS/BARC-Department of Atomic Energy (DAE) India research grant
- DST-SERB Fast Track “Young Scientist Research Award (Sanctioned-Not Availed)
- IIT Jodhpur Project Approved by Director IITJ & External Experts (Sanctioned-Not Availed)
- Extra Mural Research Funding Individual Centric: (SERB), DST, Government of India

Ph.D. Thesis Supervised by Amit Mishra:

S.No.	Name of Student	Ph.D. Thesis Title	Solo Supervisor: Amit Mishra	Status
1.	Dr. Ribhav Mishra	Rejuvenation Mechanisms of LRSAM1 E3 Ubiquitin Ligase Against Misfolded Proteins Aggregation Linked Neurodegenerative Diseases		Ph.D. Degree **Awarded**
2.	Dr. Ayeman Amanullah	Proteasomal Dysfunctions Induced Anti-Proliferative Strategies of NSAIDs Engender Mitochondrial Abnormalities and Apoptosis		Ph.D. Degree **Awarded**
3.	Dr. Arun Kumar Upadhyay	Innovative Harnessing of Molecular Protein Quality Control Strategies Inhibits: Aberrant Protein Aggregation and Deregulated Proliferation		Ph.D. Degree **Awarded**
4.	Dr. Vibhuti Joshi	Promising Molecular Modulations of E3 Ubiquitin Ligases Regulate Cellular Proliferation and Suppresses Misfolded Proteins Accumulation		Ph.D. Degree **Awarded**
5.	Dr. Deepak Chhangani	Role of MGRN1 E3 Ubiquitin Ligase in Protein Quality Control Mechanism and Polyglutamine Diseases		Ph.D. Degree **Awarded**
6.	Dr. Ankur Rakesh Dubey	Molecular Strategies Based Elevation of Protein Quality Control Mechanism: Rejuvenate Aberrant Proteins Aggregation Linked Defective Proteostasis		Ph.D. Degree **Awarded**
7.	Mr. Sumit Kinger	Tentative Title: How E3 Ubiquitin Ligase can provide neuroprotection against unfolded protein responses		Ph.D. in Progress
8.	Mr. Prashant Kumar	Tentative Title: Molecular mechanism of Flavonoids against misfolded protein aggregation		Ph.D. in Progress
9.	Mr. Yuvraj Anandrao Jagtap	Tentative Title: How NSAIDs regulate Improper Cellular Proliferation Via Protein Quality Control Mechanism?		Ph.D. in Progress
10.	Mr. Akash Choudhary	Tentative Title: How E3 Ubiquitin Ligase Selectively Clear Misfolded Proteins Through Autophagy Pathway?		Ph.D. in Progress

***Eleven Masters Students** have completed their Master's Thesis under the supervision of Amit Mishra

Students Placement from the Lab:

S.No.	Name of Student	Institute Name	Current Position
1.	Dr. Arun Kumar Upadhyay	Indian Institute of Technology Bhilai	Assistant Professor
2.	Dr. Ayeman Amanullah	University of Twente	Postdoctoral Fellow
3.	Dr. Vibhuti Joshi	Bennett University	Assistant Professor
4.	Dr. Deepak Chhangani	University of Florida	Assistant Scientist
5.	Dr. Ankur Rakesh Dubey	University of Rochester	Postdoctoral Fellow
6.	Dr. Ribhav Mishra	Purdue University	Postdoctoral Fellow
7.	*Dr. Aarat Kalra	Indian Institute of Technology Delhi	Assistant Professor
8.	*Dr. Som Mohanlal Patwa	National University of Singapore	Ph.D. Scholar

*Lab Project/Masters Students

Publications:

Present: **h-index:33 i10-index:83 Citations More than 17179**

Total Impact Factor of Publications**: 814.45**

Impact Factor: **6.1**

1. Y A Jagtap, P Kumar, A R Dubey, S Kinger, A Choudhary, S Karmakar, G Lal, Awanish K, A Kumar, A Prasad and **Amit Mishra*** (2024) Acetaminophen Induces Mitochondrial Apoptosis Through Proteasome Dysfunctions DOI: 10.1016/j.lfs.2024.122732
Life Sciences

Impact Factor: **20.6**

2. Chandra S. B, Divya S. P, Salman K, Veda V. D, Bhagyasree P, **Amit Mishra**, Sreekar M and Anil K. Suresh (2024) Sustainable hand-retrievable wide-area supported catalysts for waste water remediation: Role of support features in mitigating the catalytic performance
DOI: 10.1016/j.ccr.2024.215993
Coordination Chemistry Reviews

Impact Factor: **4.60**

3. S. Kinger, Y. A. Jagtap, A. R. Dubey, P. Kumar, A. Choudhary, S. Karmakar, G. Lal, V. K. Prajapti, H. C. Jha, R. K. Gutti, **Amit Mishra*** (2024) Valproate Mediated Proteasome Dysfunctions Induce Apoptosis.DOI:10.1002/adtp.202300421
Advanced Therapeutics

Impact Factor: **3.90**

4. A. Tharmatt, D. K. Sahel, R. Jatyan, A. Kumari, **Amit Mishra**, A. Mittal, D. Chitkara, Lipo-polymeric nano-complexes for dermal delivery of a model protein. 2024, 14 (28), 20351
RSC Advances

Impact Factor: **5.68**

5. S. Shukla, K. Gupta, K. Singh, **Amit Mishra**, A. Kumar, An Updated Canvas of the RFC1-mediated CANVAS (Cerebellar Ataxia, Neuropathy and Vestibular Areflexia Syndrome). DOI: 10.1007/s12035-024-04307-0
Moleculaur Neurobiology

Impact Factor: **5.10**

6. Sumit Kinger; Yuvraj Anandrao Jagtap; Ankur Rakesh Dubey; Prashant Kumar; Akash Choudhary; Rohan Dhiman; Vijay Kumar Prajapati; Deepak Chitkara; Krishna Mohan Poluri; **Amit Mishra** * (2024) Lanosterol Elevates Cytoprotective Response Through Induced-Proteasomal Degradation of Aberrant Proteins DOI: 10.1016/j.bbamcr.2023.119631
BBA Molecular Cell Research

Impact Factor: **6.10**

7. Aakanksha Pathak, Nishchay Verma, Shweta Tripathi, **Amit Mishra**, Krishna Mohan Poluri (2024) Nanosensor based approaches for quantitative detection of heparin
Talanta DOI:10.1016/j.talanta.2024.125873

Impact Factor: **6.70**

8. L Naik; S Patel; A Kumar; A Ghosh; **Amit Mishra**; M Das; D K Nayak; S Saha; Amit Mishra; R Singh; A Behura and Rohan Dhiman (2024) Regulation of p53 exhibits anti-mycobacterial role by modulating phagosome lysosome fusion in 4-(Benzyloxy)phenol-treated THP-1 cells through ROS-dependent intracellular Ca2+ pathway. DOI:10.1016/j.micres.2024.127664
Microbial Research

Impact Factor: **6.70**

9. A Tiwari, B Kumari, S Nandagopal, **Amit Mishra**, K K Shukla, A Kumar, N Dutt and D K Ahirwar (2024) Promises of Protein Kinase Inhibitors in Recalcitrant Small-Cell Lung Cancer: Recent Scenario and Future Possibilities. DOI:10.3390/cancers16050963
Cancers

Impact Factor: **16.0**

10. S S Rawat, A K Keshri, N Arora, R Kaur, **Amit Mishra**, R Kumar, Amit Prasad (2024) Taenia solium cysticerci's extracellular vesicles Attenuate the AKT/mTORC1 pathway for Alleviating DSS-induced colitis in a murine model. DOI: 10.1002/jev2.12448
Journal of Extracellular Vesicles

Impact Factor: **3.13**

11. D Kashyap, M Tanwar, C Rani, P Bagde, S Singh, N Varshney, V Saini, **Amit Mishra**, R Kumar, Hem Chandra Jha (2024) Spectroscopic Assessment of Biomolecular Changes in Helicobacter pylori and Epstein Barr Virus Co-Infected Gastric Epithelial Cells DOI: 10.1002/jrs.6652
Journal of Raman Spectroscopy

Impact Factor: **4.10**

12. Nupur Nagar, Goutami Naidu, **Amit Mishra** and Krishna Mohan Poluri Protein-Based Nanocarriers and Nanotherapeutics for Infection and Inflammation DOI: 10.1124/jpet.123.001673
The Journal of Pharmacology and Experimental Therapeutics

Impact Factor: **4.40**

13. N Arora, A K. Keshri, R Kaur, S Rawat, R Kumar, **Amit Mishra** and Amit Prasad (2024) *Taenia solium* excretory secretory proteins (ESPs) suppresses TLR4/AKT mediated ROS formation in human macrophages via hsa-miR-125 DOI: 10.1371/journal.pntd.0011858
PLOS Neglected Tropical Diseases

Impact Factor: **6.30**

14. Goutami Naidu, Deepak Kumar Tripathi, Nupur nagar, **Amit Mishra**, Krishna Mohan Poluri Targeting chemokine-receptor mediated molecular signaling by ethnopharmacological approaches DOI: 10.1016/j.jep.2024.117837
Journal of Ethnopharmacology

Impact Factor: **6.30**

15. S Kinger, Y A Jagtap , P Kumar, A Choudhary, A Prasad , V K Prajapati , A Kumar, G Mehta and **Amit Mishra** ***** (2024) Proteostasis in Neurodegenerative Diseases (Article Accepted)
Advances in Chemical Chemistry

Impact Factor: **4.00**

16. Omkar Indari, Subhrojyoti Ghosh, Adhiraj Singh Bal, Ajay James, Mehek Garg, **Amit Mishra**, Krishanpal Karmodiya, Hem Chandra Jha (2024) Awakening the sleeping giant: Epstein-Barr Virus reactivation by biological agents DOI: 10.1093/femspd/ftae002
Pathogens and Disease

Impact Factor: **8.20**

17. Meher M, N Ggnoutami, **Amit Mishra** and K M Poluri (2024) Multifaceted Biomedical Applications of Heparin Nanocomposites: Progress and Prospects DOI: 10.1016/j.ijbiomac.2024.129379
International Journal of Biologicals Macromolecules

Impact Factor: **7.37**

18. B Barala, D Kashyapa, NVarshneya, T P Vermaa , A K Jainb , D Chatterjib, V Kumar , **Amit Mishra**, A Kumar, H C Jha (2024) Helicobacter pylori isolated from gastric juice have higher pathogenic potential than biopsy isolates DOI: 10.1016/j.gendis.2023.03.003
Genes & Diseases

Impact Factor: **5.68**

19. Prashant Kumar, Sumit Singer, Ankur Rakesh Dubey, Yuvraj Anandrao jagtap, Akash Choudhary, Amit Prasad, Hem Chandra Jha, Rohan Dhiman, Ravi Kumar Gutti and **Amit Mishra** * (2023) Trehalose Promotes Clearance of Proteotoxic Aggregation of Neurodegenerative Disease-Associated Aberrant Proteins DOI: 10.1007/s12035-023-03824-8 IF:5.68
Molecular Neurobiology

Impact Factor: **7.66**

20. Sumit Kinger, Ankur Rakesh Dubey, Prashant Kumar, Yuvraj Anandrao Jagtap, Akash Choudhary, Amit Kumar, Vijay Kumar Prajapathi, Rohan Dhiman and **Amit Mishra*** (2023) Molecular Chaperones' Potential against Defective Proteostasis of Amyotrophic Lateral Sclerosis DOI: Cells/doi.org/10.3390
Cells

Impact Factor: **5.78**

21. Rani, Annu; Saini, Vaishali; Patra, Priyanka ; Prashar, Tanish; Pandey, Rajan Kumar; **Amit Mishra**; Hem Chandra Jha Epigallocatechin Gallate: A multifaceted molecule for neurological disorders and neurotropic viral infections DOI: 10.1021/acschemneuro.3c00368
ACS Chemical Neuroscience

Impact Factor: **4.92**

22. Satyendra Singh, Abhishek Rao, Anshuman Mishra, **Amit Mishra** and Vijay Kumar Prajapati (2023) Multifaceted mutational immunotherapeutic approach to design therapeutic mAbs to combat monkeypox disease via integrated screening algorithms and antibody engineering
DOI: 10.1039/D3ME00059A
Molecular Systems Design & Engineering

Impact Factor: **6.08**

23. Yuvraj Anandrao Jagtap, Prashant Kumar, Sumit Kinger, Ankur Rakesh Dubey, Akash Choudhary, Ravi Kumar Gutti, SARIKA SINGH, Hem Chandra Jha, Krishna Mohan Poluri and **Amit Mishra*** (2023) Disturb Mitochondrial Associated Proteostasis: Neurodegeneration & Imperfect Ageing
DOI: 10.3389/fcell.2023.1146564
Frontiers in Cell and Development Biology

Impact Factor: **4.11**

24. Ashish Kumar, Lincon naik, Salina Patel, Mousami Das, Dev Kiran Nayak, Abtar Mishra, **Amit Mishra**, Ramandeep singh, Asirbad Behura, Rohan Dhiman (2023) Ac-93253 inhibits intracellular growth of mycobacteria in human macropahages by inducing apoptosis in mitochondrial dependent manner. DOI:10.1016/j.bbagen.2023.130425
BBA General Subjects

Impact Factor: **8.94**

25. Nupur Nagar, Harshi Saxena, Aakansha Pathak, **Amit Mishra**, Krishna Mohan Poluri (2023) Dissecting the structural mechanisms of protein-persistent organic pollutant (POP) interactions. DOI: 10.1016/j.chemosphere.2023.138877
Chemosphere

Impact Factor: **6.63**

26. Assirbad Behura; Lincoln Naik; Salina Patel; Mousumi Das; Ashish Kumar; Abtar Mishra; Dev Kiran Nayak; Debraj Manna; **Amit Mishra**; Rohan Dhiman (2023) Involvement of epigenetics in affecting host immunity during SARS-CoV-2 infection DOI: DOI:10.1016/j.bbadis.2022.166634
BBA-Molecular Basis of Disease

Impact Factor: **5.68**

27. Ankur Rakesh Dubey, Ribhav Mishra, Yuvraj Anandrao Jagtap, Sumit Kinger, Prashant Kumar , Rohan Dhiman, Somnath Ghosh, Sarika Singh, Amit Prasad, Nihar Ranjan Jana and **Amit Mishra*** (2023) Itraconazole Confers Cytoprotection Against Neurodegenerative Diseases Associated Abnormal Proteins Aggregation DOI: 10.1007/s12035-023-03230-0
Molecular Neurobiology

Impact Factor: **6.69**

28. Satyendra Singh, Abhishek Rao, Ketan Kumar, **Amit Mishra**, Vijay Kumar Prajapati (2023) Translational vaccinomics and structural filtration algorithm to device multiepitope vaccine for catastrophic monkeypox virus DOI: 10.1016/j.compbiomed.2022.106497
Computers in Biology and Medicine

Impact Factor: **4.40**

29. Nupur Nagar, Gotami Naidu, **Amit Mishra** and Krishna Mohan Poluri (2023) Protein-Basd Nanocarriers and Nanotherapeutics for Infection and Inflammation DOI: 10.1124/jpet.123.001673
Journal of Pharmacology and Experimental Therapeutics

Impact Factor: **3.32**

30. Anand K. Keshri, Rimanpreet Kaur, Suraj S. Rawat, Naina Arora, Rajan K. Pandey, Bajarang V. Kumbhar, **Amit Mishra**, Shweta Tripathi and Amit Prasad (2023) Designing and development of multi-epitope chimeric vaccine against Helicobacter pylori by exploring its entire immunogenic epitopes: an immunoinformatic approach DOI: 10.1186/s12859-023-05454-2
BMC Bioinformatics

Impact Factor: **3.92**

31. Abtar Mishra, Ashish Kumar, Lincoln Naik, Salina Patel, Mousumi Das, Assirbad Behura, Dev Kiran Nayak, **Amit Mishra**, Sujit K. Bhutia, Ramandeep Singh, Rohan Dhiman (2023) Soybean lectin-triggered IL-6 secretion induces autophagy to kill intracellular mycobacteria through P2RX7 dependent activation of the JAK2/STAT3/Mcl-1 pathway DOI: 10.1016/j.cyto.2023.156366
Cytokine

Impact Factor: **3.00**

32. Budhadev Baral, Meenakshi Kandpal, Anushka Ray, Ankit Jana, Dhirendra Singh Yadav, Kumar Sachin, **Amit Mishra**, Mirza S. Baig and Hem Chandra Jha (2023) Helicobacter pylori and Epstein-Barr virus infection in cell polarity alterations. DOI: 10.1007/s12223-023-01091-7
Folia Microbiologica

Cite Score: **5.50**

33. Prashant Kumar, Akash Choudhary, Sumit Kinger, Yuvraj Anandrao Jagtap, Ankur Rakesh Dubey, Ravi Kumar Gutti, Deepak Chitkara, Anil K. Suresh, **Amit Mishra*** (2023) Proteostasis defects: Medicinal challenges of imperfect aging & neurodegeneration. DOI: 10.1016/j.tma.2023.09.001
Translational Medicine of Aging

Impact Factor: **5.68**

34. Anubha Chaudhary, Parul Mehra, Anand K Keshri, Suraj S Rawat, **Amit Mishra** and Amit Prasad (2023) The Emerging Role of Toll-Like Receptor-Mediated Neuroinflammatory Signals in Psychiatric Disorders and Acquired Epilepsy. DOI: 10.1007/s12035-023-03639-7
Molecular Neurobiology

Impact Factor: **4.00**

35. Mahesh Malleswarapu, Narasaiah Kovuru, Nooruddin Khan, **Amit Mishra**, Ravi Kumar Gutti (2023) Significance of TLR2 signaling during megakaryocyte development: regulatory cross-talk of miR-125b, cytokine induction, and MAPK pathway during dengue infection
Am J Transl Res 2023 Oct 15;15(10):5972-5983.
American Journal of Translational Research

Impact Factor: **4.40**

36. Anjali Sangeeth, Mahesh Malleswarapu, **Amit Mishra**, and Ravi Kumar Gutti (2023) Non-coding RNAs as Regulators of Cellular Metabolism during Hematopoiesis DOI: 10.1124/jpet.121.001120
Journal of Pharmacology and Experimental Therapeutics

Impact Factor: **7.23**

37. Arun Upadhyay, Naveen Sundaria, Rohan Dhiman, Vijay Kumar Prajapati, Amit Prasad and **Amit Mishra*** (2022) Complex Inclusion Bodies and Defective Proteome Hubs in Neurodegenerative Diseases: New Clues, New Challenges. DOI: 10.1177/1073858421989582
The Neuroscientist

Impact Factor: **5.68**

38. Ankur Rakesh Dubey, Som Mohanlal Patwa, Sumit Kinger, Yuvraj Anandrao Jagtap, Prashant Kumar1, Sarika Singh, Rohan Dhiman, Hem Chandra Jha and **Amit Mishra*** (2022) Improper Proteostasis: Can Serve as Biomarkers for Neurodegenerative Diseases?
DOI: 10.1007/s12035-022-02775-w
Molecular Neurobiology

Impact Factor: **4.43**

39. K, Amrutha, **Amit Mishra** and Sarika Singh (2022). Implications of intracellular protein degradation pathways in Parkinsons disease and therapeutics DOI: 10.1002/jnr.25101
Journal of Neuroscience Research

Impact Factor: **5.50**

40. Ankur Rakesh Dubey, Ribhav Mishra, Naveen Sundaria, Yuvraj Anandrao Jagtap, Prashant Kumar, Sumit Kinger, Akash Choudhary, Hem Chandra Jha, Amit Prasad, Ravi Kumar Gutti and **Amit Mishra*** (2022) Resveratrol Promotes LRSAM1 E3 Ubiquitin Ligase-Dependent Degradation of Misfolded Proteins Linked with Neurodegeneration DOI: 10.33594/000000574
Cellular Physiology and Biochemistry

Impact Factor: **5.78**

41. Indori Omkar, Jakhmola, Shweta; Pathak, Devesh; Tanwar, Manushree; Kandpal, Meenakshi; **Amit Mishra**; Kumar, Rajesh; Jha, Hem Chandra Jha (2022) A comparative account of biomolecular changes post Epstein Barr Virus infection of the neuronal and glial cells using Raman microspectroscopy. DOI: 10.1021/acschemneuro.2c00081
ACS Chemical Neuroscience

Impact Factor: **6.50**

42. Ayeman Amanullah, Arun Upadhyay, Rohan Dhiman, Sarika Singh, Amit Kumar, Dinesh Kumar Ahirwar, Ravi Kumar Gutti and **Amit Mishra*** (2022) Diclofenac-Based Novel Therapeutics Development & Challenges: Targets Cancer and Complex Diseases. DOI: 10.3390/cancers14184385
Cancers

Impact Factor: **3.00**

43. Satyendra Singh, **Amit Mishra**, Vijay Kumar Prajapti (2022) Designing of a bispecific antibody against SARS-CoV-2 spike glycoprotein targeting human entry receptors DPP4 and ACE2.
DOI: 10.1016/j.humimm.2022.01.004
Human Immunology

Impact Factor: **3.73**

44. Neha Jain, Md Fulbab Sk, **Amit Mishra** and Amit Kumar (2022) Identification of novel efflux pump inhibitors for Neisseria gonorrhoeae via multiple ligand-based pharmacophores, e-pharmacophore, molecular docking, density functional theory, and molecular dynamics approaches.
DOI: 10.1016/j.compbiolchem.2022.107682
Computational Biology and Chemistry

Impact Factor: **3.36**

45. Satyendra Singh, Ketan Kumar, Mamta Panda, Aryan Srivastava, **Amit Mishra** and Vijay Kumar Prajapati (2022) High throughput virtual screening of small-molecule inhibitors targeting immune cell checkpoints to discover new immunotherapeutics for human diseases.
DOI: 10.1007/s11030-022-10452-2
Molecular Diversity

Impact Factor: **3.50**

46. Anjali Sangeeth, Mahesh Malleswarapu, **Amit Mishra** and Ravi Kumar Gutti (2022) Long Non-coding RNA Therapeutics: Recent Advances and Challenges
DOI: 10.2174/1389450123666220919122520
Current Drugs Targets

Impact Factor: **6.51**

47. (Selected for Cover Page Story) Prashant Kumar, Yuvraj Anandrao Jagtap, Som Mohanlal Patwa, Sumit Kinger, Ankur Rakesh Dubey, Vijay Kumar Prajapati, Rohan Dhiman, Krishna Mohan Poluri, and **Amit Mishra*** (2021) Autophagy Based Cellular Physiological Strategies Target Oncogenic Progression. DOI: 10.1002/jcp.30567
Journal of Cellular Physiology

Impact Factor: **5.71**

48. Assirbad Behura , Mousumi Das, Ashish Kumar, Lincoln Naik, Abtar Mishra, Debraj Manna , Salina Patel , **Amit Mishra**, Ramandeep Singh and Rohan Dhiman (2021) ESAT-6 impedes IL-18 mediated phagosome lysosome fusion via microRNA-30a upon Calcimycin treatment in mycobacteria infected macrophages DOI: 10.1016/j.intmp.2021.108319
International Immunopharmacology

Impact Factor: **5.50**

49. Ankur Rakesh Dubey, Amit Prasad, Krishna Mohan Poluri, Amit Kumar, Awanish Kumar, **Amit Mishra*** (2021) Proteome Linked Biochemical Targets: Can Repair Defective Cellular Physiological Mechanisms? DOI: 10.33594/000000350
Cellular Physiology and Biochemistry

Impact Factor: **5.68**

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128. Swetha K. Godavarthi, Doronala Narender, **Amit Mishra**, Anand Goswami, Sudheendra Rao, Nobuyuki Nukina and Nihar Ranjan Jana. (2009) Induction of chemokines, MCP-1 and KC in the mutant huntingtin expressing neuronal cells due to proteasomal dysfunction.
DOI: 10.1111/j.1471-4159.2008.05823.x.
Journal of Neurochemistry

Impact Factor: **5.48**

129. Amit Mishra, Priyanka Dikshit., Sudarshana Purkayastha., Jaiprakash Sharma., Nobuyuki Nukina and Nihar Ranjan Jana (2008) E6-AP promotes misfolded polyglutamine proteins for proteasomal degradation and suppresses polyglutamine protein aggregation and toxicity.
DOI: 10.1111/j.1471-4159.2008.05823.x
Journal of Biological Chemistry

Impact Factor: **9.20**

130. Amit Mishra and Nihar Ranjan Jana (2008) Regulation of turnover of tumor suppressor p53 and cell growth by E6-AP, a ubiquitin protein ligase mutated in Angelman mental retardation syndrome.
DOI: 10.1007/s00018-007-7476-1
Cellular and Molecular Life Sciences

Impact Factor: **5.48**

131. Anand Goswami, Priyanka Dikshit, **Amit Mishra**, Nobuyuki Nukina and Nihar Ranjan Jana. (2006) Expression of expanded polyglutamine proteins suppresses the activation of transcription factor NFkappaB. DOI: 10.1074/jbc.M608095200
Journal of Biological Chemistry

Impact Factor: **5.48**

132. Priyanka Dikshit, Chatterjee Mou, Anand Goswami, **Amit Mishra** and Nihar Ranjan Jana (2006) Aspirin induces apoptosis through the inhibition of proteasome function. DOI: 10.1074/jbc.M602629200
Journal of Biological Chemistry

Impact Factor: **3.32**

133. Priyanka Dikshit, Anand Goswami, **Amit Mishra**, Nobuyuki Nukina and Nihar Ranjan Jana (2006) Curcumin enhances the polyglutamine-expanded truncated N-terminal huntingtin-induced cell death by promoting proteasomal malfunction. DOI: 10.1016/j.bbrc.2006.02.104
Biochemical and Biophysical Research Communication

Impact Factor: **3.32**

134. Anand Goswami., Priyanka Dikshit, **Amit Mishra**, Shalaka Mulherkar., Nobuyuki Nukina and Nihar Ranjan Jana. (2006) Oxidative stress promotes mutant huntingtin aggregation and mutant huntingtin-dependent cell death by mimicking proteasomal malfunction.
DOI: 10.1016/j.bbrc.2006.01.136
Biochemical and Biophysical Research Communication

Impact Factor: **3.97**

135. Priyanka Dikshit, Anand Goswami, **Amit Mishra**, Chatterjee Mou and Nihar Ranjan Jana. (2006) Curcumin induces stress response, neurite outgrowth and prevent NF-KB activation by inhibiting the proteasome function. DOI: 10.1007/BF03033305
Neurotoxicity Research

136. Assirbad Behura, Mousumi Das, Ashish Kumar, Lincoln Naik, Salina Patel, Dev Kiran Nayak, Abtar Mishra, **Amit Mishra**, Rohan Dhiman Mycobacterial biofilm: Structure and its functional relevance in the pathogenesis (2022)
(Elsevier Book Chapter) DOI: 10.1016/B978-0-323-99977-9.00018-1
Understanding Microbial Biofilm

Present: **h-index:33 i10-index:83 Citations More than 17179**

Total Impact Factor of Publications**: 814.45**

Patents:

1,Microparticles derived miR-125b role in infections during Thrombotic disorders: Anjali Sangeeth, Mahesh Malleswarapu, **Amit Mishra**, and Ravi Kumar Gutti* (Patent: Submitted-Under review)

2. Green synthesis of nitrogen and sulfur doped carbon quantum dots for fluorescence based sensing of multiple heavy metal ion contaminants (Fe3+, Hg2+ and Pb2+) present in the drinking water. Vinay Kumar Yadav, Lakshya Nitin Tandon, **Amit Mishra**, Durgamadhav Mishra, Sudipta Bhattacharyya* (Patent: Submitted-Under review)

Teaching Experience: Near about 14 Years (2010…Continue)

B.Tech Courses

1. Introduction to Biology
2. Undergraduate Biology Lab
3. Neuroscience
4. Cellular and Molecular Biology
5. Advance Biosciences
6. Neuroengineering System
7. Cell and Molecular Biology
8. Introduction to Cognitive Science
9. Neuroscience
10. Introduction to Bioengineering
11. Animal Biotechnology
12. Concepts & Dynamics: Molecular Cell Biology
13. Engineering Design

M.Tech and Ph.D. Courses

1. Ph.D. Bioscience Lab rotation
2. Neuroscience
3. Advance Biosciences
4. Physiology and Neuroscience
5. Advance Genetic Engineering
6. Neuroengineering System
7. Cellular and Molecular Biology
8. Advance Genetic Engineering
9. Fundamentals of Neuroscience
10. Introduction to Chemical Biology

Collaborations:

- Riken Brain Science Institute, Japan
- Institute of Environmental Medicine, Nagoya University, Japan
- National Brain Research Centre, India
- International Centre for Genetic Engineering and Biotechnology India
- Indian Institute of Technology Mandi
- Indian Institute of Technology Indore
- Juntendo University Graduate School of Medicine, Japan
- Indian Institute of Technology Roorkee
- Central Drug Research Institute (CDRI) India
- Central University of Hyderabad India

Total External Funding Secured by Amit Mishra in IIT Jodhpur = Near About 200.40 Lakhs

S. No-Title of the projects	Role in Project	Funding agency	Record in IIT Jodhpur
01-Project Title: How leucine rich repeat and sterile alpha motif containing 11 Gene Regulates Cellular Protein Quality Control Functions? Implications In Neurodegeneration And Ageing Project Number: EMR/2016/000716	*Principal Investigator*-**Amit Mishra** Co-Investigator-Prof. Meenu Chhabra	Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India. **Fund: INR 23.10 Lakhs**	IITJ R&D project number: EMR/2016/000716 Duration: 03 Years 2016-2019 Present status: **Completed**
02-Project Title: How AMFR gene regulates cell division and cancer after stress exposure? Project Number: 2013/37B/15/BRNS	*Principal Investigator*-**Amit Mishra** Co-Investigator-Prof. R.N. Sharan	Board of research in nuclear sciences (BRNS)/Bhabha Atomic Research Centre (BARC) **Fund: INR 23.90 Lakhs**	IITJ R&D project number: BRNS/BISS/2013026 Duration: 03 Years 2013-2016 Present status: **Completed**
03-Project Title: Understanding the molecular function of MGRN1 in Chaperone Mediated Autophagy Project Number: BT/06/IYBA/2012	*Principal Investigator*-**Amit Mishra**	Department of Biotechnology (DBT), Ministry of Science and Technology India under (IYBA Scheme) **Fund: INR 41.19 Lakhs**	IITJ R&D project number: DBT/BISS/2013007 Duration: 03 Years Present status: **Completed**
04-Complexity of protein misfolding and aggregation: Identification, assessment and characterization of cellular factors involve in proteotoxicity-SERB/LS-316/2013	*Principal Investigator*-**Amit Mishra**	Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India-Project Awarded **Fund: INR 23 Lakhs**	R&D project number: SERB/LS-316/2013 Duration: 03 Years Present status: **Sanctioned (N/A)**

05-Project Title: Emergence of Unifying Early Protein Quality Control Signalling Pathways in Aggregation Mediated Cellular Proteotoxicity Project Number: IA/INSA-JSPS Project/2013-2016	*Principal Investigator*-**Amit Mishra** Collaborator-Prof. Koji Yamanaka	Indian National Science Academy (INSA)-Japan Society for the Promotion of Science (JSPS) international fellowship **Fund: Entire Bilateral Travel Support**	IITJ R&D project number: Document submitted in IITJ Duration: 03 Years 2013-2016 Present status: **Completed**
06-Understanding the Molecular Function of Protein Quality Control Mechanism	*Principal Investigator*-**Amit Mishra**	Indian Institute of Technology (Start Up Grant)-External Review Defended and Project Awarded	IITJ R&D project number: Document submitted in IITJ Duration: 03 Years 2013-2016 Present status: **Sanctioned (N/A)**
07-Project Title: Identification, assessment and characterization of E3 Ubiquitin ligases and molecular chaperones implicated in Neurodegenerative diseases Project Number: DST/INT/JSPS/P-118/11	*Principal Investigator*-**Amit Mishra** Collaborator-Prof. Koji Yamanaka	Department of Science and Technology (DST) - Japan Society for the Promotion of Science (JSPS) **Fund: INR 05.50 Lakhs**	IITJ R&D project number: SPO-DST-BIS-MPDC-20110006 Duration: 02 Years 2011-2013 Present status: **Completed**
08-Project Title: Identification, assessment and characterization of E3 ubiquitin ligases implicated in neurodegenerative diseases Project Number: BT/RLF/Re-entry/11/2010	*Principal Investigator*-**Amit Mishra** Co-Investigator-None	Ramalinganswami fellowship Scheme Department of Biotechnology (DBT), Ministry of Science and Technology India **Fund: INR 74.50 Lakhs Or 113117 US ($)**	IITJ R&D project number: DBT/BISS/20130006 Duration: 05 Years 2011-2016 Present status: **Completed**
09- Project Title: Understanding The Molecular Specific Scales of Tumor Suppressor Gene 101 (tsg101) encoded LRSAM1 E3 Ubiquitin Ligase In The Elimination of Polyglutamine Proteins Project Number: 201812HLC01RP0 5527-BRNS	*Principal Investigator*-**Amit Mishra** Collaborator-Prof. Somnath Ghosh	Board of research in nuclear sciences (BRNS)/Bhabha Atomic Research Centre (BARC) **Fund: INR 26.34 Lakhs**	R&D project number: 201812HLC01RP0 5527-BRNS Duration: 03 Years 2019-2022 Present status: **Running**

Membership and Recognitions:

- The Biotech Research Society India **BRSI-Life Member**
- Executive Board Member, Indian Academy of Neuroscience, **IAN India**
- Indian Society of Chemists and Biologists **ISCB-Life Member**
- Indian Association for Cancer Research **IACR-Life Member**
- Society of Applied Biotechnology India **SAB-Life Member**
- Indian Science Congress Association **ISCA-Life Member**
- Indian Academy of Neuroscience **IAN-Life Member**
- National Academy of Biological Sciences **NABS-Life Member**
- Indian Society of Cell Biology **ISCB-Life Member**
- Society of Pharmaceutical Education and Research **SPER-Life Member**
- The American Society for Biochemistry and Molecular Biology **Member**
- The New York Academy of Sciences **Member**
- International Brain Research Organization **IBRO-Member**

- Japan Neuroscience Society **JNS-Associate Member**
- National Academy of Sciences India **NASI-Member**
- Royal Society of Chemistry **RSC London-Member**
- Royal Society of Medicine **RSM London-Fellow**
- International Society for Neurochemistry **ISN-Member**
- The New York Academy of Sciences **Bicentennial Ambassador**
- Royal Society of Biology **RSB London-Member**
- National Academy of Medical Sciences India **NAMS-Life Member**
- Royal Society of Biology **RSB-London-Fellow**
- Indian Biophysical Society **Life Member**
- Indian Immunology Society **Life Member**
- Transnational Biomedical Research Society **Life Member**
- Society of Biological Chemists **Life Member**
- Society for Free Radical Research India **Life Member**
- Dr. Shyama Narang MND Foundation**: Advisory Board Member**
- Fellow of Indian Academy of Neuroscience **IAN India**

Invited International Presentations:
Amit Mishra* Neuronal Protection Strategies: Molecular Architects Misfolded Proteins Accumulation Japan Neuroscience Society (JNS), Annual Meeting, Japan 2017
Amit Mishra* Neurobiological Protective Strategies Against Neurodegeneration and Ageing Society for Neuroscience (SFN)-International Symposium on Neurodegenerative Diseases 2017.
Amit Mishra* Quality Control E3 Ubiquitin Ligases Reduces the Aggregation And Cytotoxicity Of Misfolded Proteins: Enhancement in Neurodegeneration and Ageing Asian-Pacific Society for Neuroscience (APSN), Kuala Lumpur 2016
Deepak Chhangani, Fumito Endo, Ayeman Amanullah, Arun Upadhyay, Seiji Watanabe, Ribhav Mishra, Koji Yamanka* and **Amit Mishra*** Mahogunin ring finger 1 confers cytoprotection against mutant SOD1 and defective in ALS mice International Symposium ALS/MND meeting in Orlando, Florida, USA 2015.
Deepak Chhangani, Koji Yamanaka, **Amit Mishra*** Mahogunin ring finger 1, ubiquitin-protein ligase confers neuroprotection against misfolded protein aggregation and toxicity International Symposium on ALS/MND, Brussels, Belgium 2014.
Amit Mishra*, Megha Maheshwari; Deepak Chhangani, Noriko Fujimori Tonou, Fumito Endo, Ajay P Joshi, Nihar R Jana and Koji Yamanaka* (2013) E6-AP association promotes SOD1 aggresomes degradation and suppresses toxicity. Society for Neuroscience (SFN) USA 2013
Amit Mishra* Protein quality control mechanism is neurodevelopmental disorders and cancer. Riken Brain Science Institute, Japan 2011
Amit Mishra* and Nihar Ranjan Jana. Role of E6-AP acting as a E3 ubiquitin ligase in molecular pathogenesis mechanism of neurodevelopmental disorder and neurodegenerative diseases. Max Planck Institute, Department Cellular Biochemistry, Martinsried, Germany 2008
Amit Mishra, Yamashita Hirofumi, Yamanaka Koji and Nihar Ranjan Jana E6-AP an Ubiquitin Ligase Associates with Mutated Superoxide Dismutase (SOD1) and Promotes Their Degradation by Proteasomes pathway. Riken Brain Science Institute, Japan 2007
Amit Mishra and Nihar Ranjan Jana. Angelman ubiquitin ligase promotes ubiquitin-mediated degradation of tumor suppressor p53 in the neuronal cells. Riken Brain Science Institute, Japan 2007

Invited National Presentations:
Amit Mishra* How Proteostasis Based Therapeutic Strategies Can Target Improper Cellular Proliferation? International Conference on Cancer Biology, IIT Madras
Amit Mishra* Cellular Models-Based Therapeutic Interventions for Complex Diseases, AIIMS Jodhpur, International Conference on Cell Biology
Amit Mishra* How Drugs Repurposing Can Target Defective Proteostasis Linked Complex Diseases? North Zone ACBICON, AIIMS Jodhpur
Amit Mishra* Complex Defective Neuronal Pools: Molecular Abnormalities of Neurodegeneration & Ageing" TBRS 2020
Amit Mishra* How the depletion of proteome complexity leads to neurodegeneration and imperfect ageing. International Conference on Biotechnology for Sustainable Agriculture, Environment and Health BSAEH-2020-21
Amit Mishra* How Artificial Intelligence can be helpful to better understand neurodegeneration RAIMA-2020-21
Amit Mishra* How proteasome modulations approaches can induce apoptosis to regulate improper cellular proliferation and complex disorders. Carcinogenesis 2019, India.
Amit Mishra* How defective proteome complexity contributes in neurodegeneration and imperfect ageing? BITS Pilani, India
Amit Mishra* Imbalance Cellular Homeostasis and Molecular Defects of Protein Quality Control Mechanism Linked with Neurodegenerative Diseases. Indian Academy of Biomedical Sciences (IABS 2019), India.
Vibhuti Joshi and **Amit Mishra*** Small Natural Molecules: Possible future Therapeutic Targets for Neurodegenerative Diseases and Uncontrolled Cellular Proliferation VI Rajasthan Science Congress, India 2018
Amit Mishra* Rejuvenation Neurobiological Mechanisms Against Neurodegeneration and Ageing International Brain Research Organization (IBRO)-APRC School in Neuroscience, India 2017
Amit Mishra* Proteostasis Restoring Factors: Molecular Strategies Against Neurodegeneration and Ageing ISCB 2017
Amit Mishra* Multi-Level Regulation Over Stree-Driveless Misfolding of Proteins: Threaten Proteostasis a Turning Point In Neurodegeneration And Ageing Indian Society of Cell Biology (ISCB Annual Meeting) 2016
Amit Mishra* Understanding the Pathomechanism of Cellular Quality Control Machinery in Misfolded Proteins Aggregation: Implications in Neurodegeneration and Ageing. National Brain Research Centre India (IAN Meeting)
Amit Mishra* How to Hunt Misfolded Proteins For Intracellular Elimination: A Cellular Protein Quality Control Defense Mechanism Against Neurodegeneration And Ageing. University of Barodra, India 2016
Amit Mishra* BioAsia Drug Discovery and Innovation Programme 2016
Amit Mishra* Cellular Quality Control Mechanism: A Cellular Service Alleviates Neurodegeneration and Ageing International Conference on Ubiquitin and Ubiquitin like Modifications: Mechanisms and Implications for Human Diseases (NCBS-TIFR) 2016
Amit Mishra* Ageing and Neurodegeneration: Unsolved Puzzle of Cellular Quality Control Mechanism
Amit Mishra* Professor H. S. Srivastava Memorial Young Scientist Award Lecture: PHSS meeting. 2015
Amit Mishra* Prof. Umakant Sinha Memorial Award Lecture in Indian Science Congress Association (ISCA) meeting. 2015
Amit Mishra* Clearance of misfolded proteins implications in Aging and Neurodegenerative Diseases. IGC, India 2015
Amit Mishra* Cellular Protein Quality Control Mechanism and Implications in Diseases. Indo-Japan Bilateral BICON, India 2014
Amit Mishra* Cellular Mechanisms Implicated in Biologically-Inspired Systems. Hindustan Aeronautics Limited (HAL), India 2013

Administrative Experience:

- **Convener** of International work Biologically Inspired System Science Conference: 2012
- **Coordinator** of Department Biologically Inspired System Science-Centre of Excellence 2013
- **Special Invitee Member** Senate IIT Jodhpur 2013
- **Coordinator** Sports Committee 2010-2012
- **Chairman** Chemical purchase/Consumables Purchase Committee 2012
- **Coordinator** WAVES-Student activity) 2012
- Member Institute Transport Committee 2012
- Member Council of Warden (CoW) committee 2010-2012
- **Convene**r Convocation Degree Generation and Validation Committee 2013
- **Coordinator** of Ph.D. Selection Committee IIT Jodhpur 2011
- **Coordinator** of M. Tech Selection Committee IIT Jodhpur 2011
- **Coordinator** Varchas-Student activity 2010-2011
- Member of Innovation and Incubation Centre 2012
- **Special Invitee**: Hindustan Aeronautic Limited (HAL), IIM executives and officers of HAL, India
- **Committee Expert Member**: National Fellowships for Students for Research Careers 2017
- **Chairman** of Ph.D. Selection Committee (Department of BSBE) 2017 IIT Jodhpur
- **Convener** of Ph.D. Selection Committee (Department of BSBE) 2018 IIT Jodhpur
- **Convene**r of M.Tech. Selection Committee (Department of BSBE) 2018 IIT Jodhpur
- **Chairman** of Permanent Campus Services of Indian Institute of Technology Jodhpur 2019-2021
- **Coordinato**r of M. Tech Program in Department of Bioscience & Bioengineering 2020-2021
- **External Grant Expert:** BIRAC Gandhian Young Technological Innovation Award Grant 2019-2020
- **External International Grant Expert:** Chargée de mission Plan Inserm - Département de l'Evaluation et du Suivi des Programmes (DESP), Paris, France 2019-2020
- **External Invited Expert:** IIT GATE- Biomedical Engineering Exam 2019-2020
- **External Expert**: Bio concurrence SBT, Rajiv Gandhi Proudyogiki Vishwavidyalaya 2020
- Member Institute Academic Programs Time Table Committee Member 2019-2020
- Department of Bioscience & Bioengineering UG Class Representative 2019-2020
- **Chairman**: Procurement Finalization Committee (PFC-MCS)
- **Member**: Indian Prime Minister Research Fellowship Committee IIT Jodhpur 2020-2023
- Member: Department of Bioscience & Bioengineering Lab Development Committee 2019-2020
- Member: Faculty Short Listing Recruitment Committee Member IIT Jodhpur 2019-2021
- **Selection Committee Member** for Project Staff for external projects 2019-2020
- **Faculty Selection Committee Member:** Member of various Central Universities and Institute**s**

- **External Ph.D. Thesis Examiner:** JNU, SRM, IIT Roorkee, RGCB, NIMHANS, BITS Pilani, Central University of Hyderabad, Allahabad University and other Universities
- **External Expert**: Skill Vigyan Programme In Partnership with Department of Biotechnology, Ministry of Science and Technology India 2020
- **Expert Committee Member**: Union Public Service Commission (UPSC), India
- **Executive Committee Board Member:** Translational Biomedical Research Society (TBRS) of India
- **Senate Member**: IIT Jodhpur
- **Prime Minister Research Fellowship (PMRF), India** Evaluation Committee Member
- **Department Faculty Advisory Committee (DFAC), IIT Jodhpur:** Executive Member
- **Institute Research & Development Committee, IIT Jodhpur:** Executive Member

Personal Particulars:
Date of Birth **July-01-1981**
Nationality **Indian**
Email: **amit@iitj.ac.in**
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NH 65 Nagaur Road, Karwar, Jodhpur,
Rajasthan, India-342037