

NEWSLETTER



BIANNUAL | ISSUE 5 | JANUARY – JUNE 2026

Delhi Technological University

Shahbad Daulatpur, Bawana Road, Delhi-110042



Department of
BIOTECHNOLOGY

CONTENTS

Message from Hon'ble Vice Chancellor, DTU	5
Message from Head of Department	7
From the Editor's Desk	9
Welcoming Honorary Faculty Members	10
Faculty Corner	12
• Publications by the Department	12
• Conference Publications/Participation	13
• Dr. Mamta Secures Prestigious ANRF Prime Minister Early Career Research Grant!	17
• Prof. Yasha Hasija Co-Edits Springer Book on Algal Bioremediation	18
• Patent Granted	18
• Participation in Faculty Development Programmes	18
Memoranda of Understanding (MoU) Signed	19
Events Organized by the Department	20
• World Tuberculosis Day	20
• Celebrating International Day of Women and Girls in Science	21
• Workshop on "Drug Discovery using In Silico Methods"	21
• World Malaria Day	22
• Lecture Series in Biotechnology 2026 (9th Lecture)	22
• Bridging Academia and Industry: DTU Launches Its First Industry-Linked Skill Course in Next-Generation Sequencing	23
Student's Corner	24
• Pioneering Green Innovation-Shubhika and Pradeep Patel	24
• A Historic Moment: Dhanvin Richie Gupta Tops GATE Biotechnology 2026 with All India Rank 1!	24
• Multiple wins by Piyush Sharma	24
• Several victories of Vanshika Dhaka!	25
• Topper of her entire batch, Prajakta Tiwari	25
• Launching an Entrepreneurial Venture: Sanvi & Parth Sharma	25
• Dr. Neetu Rani's project proposal approved under the AICTE Post-Doctoral Fellowship (APDF) Scheme, a first for the department!	25
• Remarkable achievements continues...	26
• Conference Participation	26
• Interns on the Rise: Celebrating Our Students' Professional Leaps	27

Message from Hon'ble Vice Chancellor, DTU

Prof. Prateek Sharma

Vice Chancellor
Delhi Technological University



I am delighted to address our readers through this latest edition of the Department of Biotechnology Newsletter. This issue highlights the Department's commitment to academic excellence, innovation, and engagement. I am elated to witness the continued growth of Department of Biotechnology. The department has evolved as a vibrant centre of learning focusing on scientific inquiry, academic excellence and innovation to address real-world challenges.

I congratulate each and everyone for the achievements—from impactful research publications, funded projects, patents, and industry collaborations to academic events, skill development programmes, and outreach initiatives. All this underscores the dedication of the department. The emphasis on industry-linked education, experiential learning, and the integration of emerging technologies into the learning process is quite commendable. I am confident that our students are well-prepared to contribute to the advancing fields of biotechnology and life sciences.

The accomplishments of both our faculty and students underscore the values of perseverance, hard-work, commitment, and excellence. I wholeheartedly welcome the distinguished Honorary Faculty members to the DTU community. Their association will further strengthen the department's academic and research ecosystem.

I congratulate the Head of the Department, all the faculty, research scholars, students, and staff for their continued dedication and collective efforts. My compliments to the editorial team for this compilation of the department's journey and accomplishments. I am confident that the Department of Biotechnology will continue to set new benchmarks in education, research and innovation. I wholeheartedly wish the department continued success and look forward to the significant contribution to the University's vision of global academic excellence.

Prof. Prateek Sharma
Vice Chancellor, DTU

Message from Head of Department

Prof. Yasha Hasija

Head, Department of Biotechnology
Delhi Technological University



Dear Readers,

It gives me immense pleasure to present the latest edition of the Department of Biotechnology Newsletter. This compilation reflects another milestone in our department's journey underscoring academic excellence, innovation, and impact. As I look back on these past few months, I am extremely elated of the significant progress our department has made in strengthening its research ecosystem, enriching academic activities, and fostering a culture of lifelong learning.

This edition showcases the vibrant achievements of our faculty and students—from impactful research publications, conference presentations to academic events, outreach programmes, and student successes. I am especially delighted to welcome our Honorary Faculties, whose vast experience and expertise will further enrich our academic environment. All the initiatives and programmes reinforced our commitment to nurturing an ecosystem where knowledge, innovation, and interdisciplinary thinking flourish.

Our students continue to be the driving force behind many of our achievements. Their outstanding performance in research, internships, placements, higher education, and extracurricular pursuits reflects not only their dedication but also the supportive academic environment fostered within the department. Equally commendable are the sustained efforts of our faculty members, whose passion for teaching, research, and innovation continues to elevate the department's national and international standing.

We, at the Department of Biotechnology, remain committed to prepare future scientists and leaders who can address global challenges with scientific excellence and social responsibility. I extend my heartfelt appreciation to our faculty, students, staff, alumni, collaborators, and well-wishers for their unwavering support and contributions. My sincere compliments to the editorial team for thoughtfully compiling the achievements and memories presented in this issue. I hope this newsletter serves as a source of inspiration and reflects the vibrant spirit of our department as we continue to learn, innovate, and grow together.

A handwritten signature in blue ink, reading 'Yasha Hasija'.

Prof. Yasha Hasija

Head, Department of Biotechnology, DTU

From the Editor's Desk

Dr. Ankita

Assistant Professor, Department of Biotechnology
Delhi Technological University



Dear Readers,

I am delighted to present this issue of Newsletter of the Department of Biotechnology. Every issue reflects a new chapter in the department's journey. This compilation underscores the innovation, collaboration, and a shared commitment of each and every member of the department towards academic excellence. The department continues to grow as a vibrant hub of learning and research. From impactful scientific publications and conference presentations to new academic collaborations, student accomplishments, and outreach initiatives, each milestone highlights the dedication and collective efforts of our faculty, students, and staff.

This issue celebrates not only achievements but also the people behind them—the mentors who inspire, the researchers who innovate, and the students who continue to excel in academics, research, internships, placements, and co-curricular activities. Their accomplishments reaffirm our belief that excellence is built through perseverance, curiosity, and teamwork. In this issue, we are extremely elated to welcome our Honorary Faculties, whose rich experience and expertise will further strengthen our academic and research ecosystem.

I extend my heartfelt gratitude to everyone who has contributed to this edition and to the continued success of our department. I would sincerely like to thank Dr. Smita Rastogi Verma and Ms. Sakshi Dahiya for their help in preparing this edition. I hope these pages capture the energy, achievements, and aspirations of our academic community, and inspire each of us to continue learning, discovering, and making meaningful contributions to science and society.

Happy reading!

A handwritten signature in blue ink that reads "Ankita".

Dr. Ankita

Editor, Biannual Newsletter
Department of Biotechnology, DTU



Welcoming Honorary Faculty Members

The Department whole-heartedly welcomed Honorary Faculty members to its distinguished academic community. Their rich professional experience, exceptional expertise, and the will to strengthen our teaching, research, and collaborative endeavors showcases their commitment towards excellence. Their association will provide valuable mentorship and learning opportunities for our students and faculty. We extend our warmest welcome and look forward to their contributions in shaping the future of biotechnology education and research.



Dr. A. K. Mandal

We welcome Dr. A. K. Mandal as an Honorary Faculty Member. His association with our department brings a wealth of academic excellence, research expertise, and visionary leadership that will greatly enrich our teaching and research environment.

Dr. Mandal is an accomplished pathologist, educator, researcher, and administrator with an exceptional career spanning more than four decades. He is a proud alumnus of Maulana Azad Medical College, AIIMS, New Delhi, and Fukushima Medical University, Japan. He has also completed prestigious international fellowships in Japan, the United States, and the United Kingdom, contributing significantly to the fields of pathology, oncology, molecular diagnostics, and medical education.

He has served in several distinguished leadership roles, including Vice President of the National Board of Examinations, Deputy Director General

(Medical Education), Ministry of Health & Family Welfare, Government of India, and Director of premier medical institutions across the country. His remarkable academic contributions include over 150 research

publications, numerous externally funded research projects, international collaborations, and a series of widely used textbooks in pathology and allied health sciences. He is a gold medal recipient from Fukushima Medical University, Japan for contribution to medical science. Dr. Mandal is also Editor in chief of Recent advances in Pathology and Laboratory Medicine and is Editorial Board member of various National and International Journals such as Indian Journal of Pathology and Microbiology.



Prof. Ranjana Patnaik

The Department welcomed Prof. Dr. Ranjana Patnaik as an Honorary Faculty. A distinguished neuroscientist and academician, Prof. Patnaik is also a Professor at the School of Biosciences and Technology, Galgotias University. She formerly served as Professor and Coordinator of the School of Biomedical Engineering at IIT (BHU), Varanasi.

With an eminent career spanning 48 years of research and 44 years of teaching, she has made pioneering contributions to the fields of cerebral stroke, neuroprotection, cognitive computing, neurophysiology, electrophysiology, biomaterials, and biochemistry. Her exceptional academic achievements include over 200 research publications and 35 book chapters.

Prof. Patnaik has received numerous prestigious honors, including the Lifetime Achievement Award

for Science, Medical and Engineering (2020), the National Award from the Department of Science and Technology for the development of a low-cost multi-use hearing aid, and the Rashtriya Gaurav Award.

She has secured 8th rank in the International Brain Research author ranking (Most published authors lifetime) and is also the recipient of Best Citizen of India Award (2014) and Rajiv Gandhi Excellence Awards (2014). She has also served as member of National Bureau of Accreditation and FICCI National Committee on Science, Technology and Innovation.



Prof. Gurudutta Gangenahalli

We welcome Prof. Gurudutta Gangenahalli as a Distinguished Fellow. A renowned defense scientist, stem cell biologist, and academician, Prof. Gangenahalli brings over four decades of distinguished experience in research, innovation, and scientific leadership. Prior to joining the department, he served as Professor Emeritus at Netaji Subhas University of Technology (NSUT). Prof. Gurudutta has been a scientific administrator with impactful leadership experience, having served as Director (Addl.), Senior Research Scientist 'G' (Indian Defence R&D Service, MoD, Govt. of India), the founding HoD of the Department of Stem Cell, Tissue Engineering and Gene Therapy in DRDO, and scientific member of the prestigious international Programmes Advisory Committee (PAC) of the DST for over 15 years.

An alumnus of the University of Delhi, Prof. Gangenahalli has undertaken postdoctoral research (NASA/NABRI fellow in the Mission to Mars project) at the University of Pennsylvania, Brookhaven National Laboratory (USA) and later at the University of São Paulo (Brazil), and the

National Research Council (Canada). His pioneering contributions span stem cell biology, regenerative medicine, gene therapy, tissue engineering, and translational biomedical research, leading to over 100 research publications, 12+ patents, and the successful mentorship of more than 20 PhD scholars.

His groundbreaking innovations in stem cell therapeutics, bone marrow transplantation, wound healing, and bone regeneration have earned him numerous honours, including the prestigious DRDO Scientist of the Year Award (2017) and the Anubhav Award (2020). He is an elected Fellow of several leading national and international scientific academies, including the Royal Society of Chemistry (UK) and the National Academy of Biological Sciences.





Faculty Corner



Publications by the Department

Research and innovation form the cornerstone of academic excellence at the Department of Biotechnology. Our faculty members continue to make significant contributions to the scientific community through significant publications, books, and book chapters. Their research spans diverse areas of biotechnology, addressing contemporary scientific challenges while fostering interdisciplinary collaboration and translational impact.

S. No.	Faculty Name	Publication
1	Prof. Yasha Hasija	Dogra, A., Mani, S., and Yasha Hasija. "Circular RNAs: promising biomarkers for diagnosis, prognosis and therapy in oral squamous cell carcinoma." <i>Nucleosides, Nucleotides & Nucleic Acids</i> (2026): 1-25.
2	Prof. Yasha Hasija	Bhowal, B., Hasija, Y., & Singla-Pareek, S. L. (2026). Mapping the Molecular Evolution and Role of Wild Rice GLYIII Protein-Encoding Genes in Abiotic Stress Response. <i>Biochemical Genetics</i> .
3	Prof. Yasha Hasija	Bora, S., Paul, P. R., Mishra, M. K., Kukreti, R., & Hasija, Y. (2026). Effect of ABCG2 Genetic Polymorphisms on the Transport of Anti-Seizure Medications in hCMEC/D3 Cell Lines. <i>Cytotechnology</i> .
4	Prof. Yasha Hasija	Yadav, K., & Hasija, Y. (2026). Application of Interpretable Machine Learning to Analyze DNA Methylation Sites in the Progression from Oral Leukoplakia to Oral Squamous Cell Carcinoma. <i>Integrative Biology</i> .
5	Prof. Yasha Hasija	Book Chapter: Hasija, Y. (2026). Real-time Classification of Electromyography Signals for Robotics. In <i>Computational Methods for Biosignal Processing: Modeling and Control</i> . Academic Press.
6	Prof. Yasha Hasija	Book Chapter: Hasija, Y. (2026). Computational Methods for Biosignal Processing: Modeling and Control. In <i>Computational Methods for Biosignal Processing: Modeling and Control</i> . Academic Press.
7	Prof. Jai Gopal Sharma	Hashmi, S. Z. H., Dhiman, T. K., Chaudhary, N., Singh, A. K., Kumar, R., Kumar, A., Solanki, P. R., & Sharma, J. G. (2026). Levofloxacin Detection Using L-Cysteine-Capped MgS Quantum Dots via the Photoinduced Electron Transfer Process. <i>Frontiers in Nanotechnology</i> .
8	Prof. Jai Gopal Sharma	Book Chapter: Sharma, J. G. (2026). Nanotechnology for Combating Chemoresistance in Ovarian Cancer. Academic Press.
9	Prof. Pravir Kumar	Lakra, A., Singh, N., Vashisth, S., Ambasta, R. K., & Kumar, P. (2026). Spatial Transcriptomics and Multi-omics Approach to Decipher Age-related Tissue Microenvironments and Therapeutics in Neurodegeneration and Aging. <i>Ageing Research Reviews</i> .
10	Prof. Pravir Kumar	Kumar, P., & Ambasta, R. K. (2026). Writing Integrative Reviews That Advance Ageing and Neurodegeneration Research: From Scientific Depth to Citations. <i>Neuroscience</i> .
11	Prof. Pravir Kumar	Kardam, S., & Kumar, P. (2026). In Silico Identification of Natural SIRT1 Inhibitors through Molecular Docking, Dynamics Simulation, and MM/PBSA. <i>Cell Biochemistry and Biophysics</i> .

S. No.	Faculty Name	Publication
12	Dr. Navneeta Bharadvaja	Singh, H., & Bharadvaja, N. (2026). Mechanistic Insights into Therapeutic Potential of <i>Centella asiatica</i> (L.) Urb. in Diabetes Mellitus and Its Chronic Health Complexities: From Botany, Medicinal Chemistry to Clinical Trials Approach. <i>Phytochemistry Reviews</i> .
13	Dr. Asmita Das	Sharma, Y., & Das, A. (2026). Synergistic Geroprotectors Mapping through Systems Machine Learning and Graph Neural Networks. <i>OMICS: A Journal of Integrative Biology</i> . https://doi.org/10.1177/15578100261464019 (Accepted).
14	Dr. Kriti Bhandari	Book Chapter: Bhandari, K. (2026). Mycoremediation and Soil Microbiome Synergies. Springer Nature Singapore.
15	Dr. Kriti Bhandari	Book Chapter: Bhandari, K. (2026). The Next Frontier in Bioprocess Engineering: Miniaturized Bioreactors and Their Multisectoral Applications. Springer Nature Switzerland.
16	Dr. Praveen Kumar	Kavita, Rajak, N., Kumar, P., Kumar Singh, V., Pathak, S., Gupta, P. K., ... & Garg, N. (2026). An Integrative In Silico and In Vitro Approach to Target Uterine Fibroids Using Natural Compounds. <i>Natural Product Research</i> .
17	Dr. Praveen Kumar	Maddeshiya, T., Kumar, P., Garg, N., Luis, S. V., & Pandey, M. D. (2026). Pyrene-Functionalized Bioinspired (L/D) Amino Acids for Nanoassembly Modulations and Intracellular Cu(II) Detection. <i>ChemPlusChem</i> .
18	Dr. Praveen Kumar	Chakraborty, B., Danenhauer, A. R., Kumar, P., & Kumar, S. (2026). P. falciparum PEBP Protein Is Dispensable During Asexual and Sexual Stages of Development. <i>Frontiers in Cellular and Infection Microbiology</i> .
19	Dr. Praveen Kumar	Patni, K., Saini, K., Kumar, P., Pandey, N., Garg, N., et al. (2026). Role of Suvarna Bhasma with Ghee and Honey (Suvarnaprashan) for the Anti-oxidative Potential. <i>Indian Journal of Traditional Knowledge</i> .

Conference Publications/Participation

S. No.	Faculty Name	Publication
1	Prof. Yasha Hasija	H. Arya and Y. Hasija, "Integrating Metabolomics and Network Biology to Prioritize Repurposable Drug for Gallstone Disease," 2026 IEEE Global Symposium on Emerging and Communication Technologies (GSEACT), Hyderabad, India.
2	Prof. Yasha Hasija	M. Singh and Y. Hasija, "Machine Learning-Based Classification of Alzheimer's Disease Using Gut Fungal ITS Sequencing Data," 2026 IEEE Global Symposium on Emerging and Communication Technologies (GSEACT), Hyderabad, India,
3	Prof. Pravir Kumar	Kaushik, A., & Kumar, P. (2026). MDVP: Fo, Spread2, and PPE Emerge as Reproducible Biomarkers for Early Screening of Parkinson's Disease. <i>IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IEEE IATMSI-2026)</i> .
4	Prof. Pravir Kumar	Singh, N., & Kumar, P. (2026). In Silico Exploration of DJ-1 Redox Modulators for Parkinson's Disease Therapeutics. <i>IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IEEE IATMSI-2026)</i> .
5	Prof. Pravir Kumar	Yadav, S., & Kumar, P. (2026). Computational Identification of Novel BACE1 Modulators for Alzheimer's Disease: A Structure-Driven Drug Discovery Approach. <i>Second International Conference on Advances in Computer Science, Electrical, Electronics, and Communication Technologies (CE2CT-2026)</i> .

S. No.	Faculty Name	Publication
6	Prof. Pravir Kumar	Bansal, A., & Kumar, P. (2026). In Silico Identification and Screening of Novel Dual Orexin Receptor Antagonists (DORA) to Prevent Sleep Deprivation and Reduce the Risk of Neurodegenerative Disorders. 5th International Conference on Innovative Sustainable Computational Technologies (CISCT-2026).
7	Prof. Pravir Kumar	Srivastava, S., & Kumar, P. (2026). Computational Analysis of Serpentine and Its Structural Stereoisomers as Promising BACE1 Inhibitors. 5th International Conference on Innovative Sustainable Computational Technologies (CISCT-2026).
8	Prof. Pravir Kumar	Sonia, & Kumar, P. (2026). Computational Analysis of Novel Inhibitors of NMDA Receptor. 2026 IEEE 6th International Conference on Computing, Power, and Communication Technologies (IC2PCT).
9	Prof. Pravir Kumar	Kirti, & Kumar, P. (2026). Virtual Identification and Screening of Novel VMAT2 Inhibitors as Therapeutic Candidates for Huntington's Disease. Conference on Latest Innovations in Computing and Knowledge (CLICK 2026).
10	Prof. Pravir Kumar	Tanishka, & Kumar, P. (2026). Computational Screening and Binding Analysis of Novel Small-Molecule S1PR1 Modulators for Multiple Sclerosis. Conference on Latest Innovations in Computing and Knowledge (CLICK 2026).
11	Prof. Pravir Kumar	Yadav, S., & Kumar, P. (2026). Computational Identification of Differentially Expressed Genes for Biomarker Discovery in Amyotrophic Lateral Sclerosis. IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IEEE IATMSI-2026).
12	Prof. Pravir Kumar	Yadav, S., & Kumar, P. (2026). Explainable Deep Learning Framework for Multi-Class Alzheimer's Disease Classification Using Structural MRI. 5th International Conference on Innovative Sustainable Computational Technologies (IEEE CISCT-2026).
13	Prof. Pravir Kumar	Yadav, S., & Kumar, P. (2026). Computational Identification of BUB1B-Targeting Phytochemicals for Glioblastoma Therapy Using Molecular Docking. IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IEEE IATMSI-2026).
14	Prof. Pravir Kumar	Yadav, S., & Kumar, P. (2026). Integrated Bioinformatics Analysis of Differentially Expressed Genes in Multiple Sclerosis. IEEE International Conference on Emerging Technologies in Engineering Applications (ICETEA 2026).
15	Prof. Pravir Kumar	Singh, N., & Kumar, P. (2026). Targeting the DJ-1 Redox Sensor Cys106: An In Silico Strategy for Neuroprotective Drug Repurposing. National Symposium on "Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function", Society for Neurochemistry India (SNCI).
16	Prof. Pravir Kumar	Tripathi, D., & Kumar, P. (2026). AI-Based Early Detection of Alzheimer's Disease Using Blood Biomarkers. National Symposium on "Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function", Society for Neurochemistry India (SNCI).
17	Prof. Pravir Kumar	Srivastava, V., & Kumar, P. (2026). Neighborhood Deconvolution Identifies Neuro-Immune Crosstalk in Alzheimer's Disease Spatial Profiles. National Symposium on "Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function", Society for Neurochemistry India (SNCI).
18	Prof. Pravir Kumar	Vashishth, S., & Kumar, P. (2026). Comparative Analysis of Dysbiosis-Associated Gut Microbial Metabolic Pathways in Alzheimer's and Parkinson's Disease. National Symposium on "Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function", Society for Neurochemistry India (SNCI).

S. No.	Faculty Name	Publication
19	Prof. Pravir Kumar	Apurva, & Kumar, P. (2026). Central Regulatory Nodes Reveal Brain Region-Specific Expression in Alzheimer's Disease: Integrating Transcriptomics, Network Topology, and Tissue-Specific Expression Analysis. National Symposium on "Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function", Society for Neurochemistry India (SNCI).
20	Prof. Pravir Kumar	Rani, N., & Kumar, P. (2026). Unravelling the Structural and Functional Consequence of Kinase Domain Mutations in LRRK2 in Parkinson's Disease. National Symposium on "Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function", Society for Neurochemistry India (SNCI).
21	Prof. Pravir Kumar	Kaushik, A., & Kumar, P. (2026). MYC-RELA-MYD88 Axis Reveals Divergent Ubiquitin-Mediated Inflammatory and Proteostasis Networks in Alzheimer's and Huntington's Disease. National Symposium on "Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function", Society for Neurochemistry India (SNCI).
22	Prof. Pravir Kumar	Yadav, S., & Kumar, P. (2026). Explainable AI for Early Detection of Alzheimer's Disease Using MRI. National Symposium on "Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function", Society for Neurochemistry India (SNCI).
23	Prof. Pravir Kumar	Yadav, S., & Kumar, P. (2026). Identification of Novel ALDH1A3 Inhibitors in Glioblastoma Using Molecular Docking and Machine Learning-Based Virtual Screening. National Symposium on "Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function", Society for Neurochemistry India (SNCI).
24	Prof. Pravir Kumar	Bansal, A., & Kumar, P. (2026). In Silico Analysis for Detection of Dual Orexin Receptor Antagonists for Treatment of Sleep Deprivation and Associated Neurodegeneration. National Symposium on "Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function", Society for Neurochemistry India (SNCI).
25	Prof. Pravir Kumar	Shrivastava, S., & Kumar, P. (2026). In Silico Analysis of Serpentine as a Potential BACE1 Inhibitor: A Novel Approach for Alzheimer's Therapy. National Symposium on "Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function", Society for Neurochemistry India (SNCI).
26	Prof. Pravir Kumar	Ananya, & Kumar, P. (2026). Integrative Transcriptomic Analysis Reveals the Role of Transposable Elements in Alzheimer's Disease through Differential Expression and Pathway Enrichment. National Symposium on "Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function", Society for Neurochemistry India (SNCI).
27	Dr. Navneeta Bharadvaja	Bhardwaj, S., & Bharadvaja, N. (2026). An EfficientNetB0-Based Hybrid Model for Leaf Disease Detection Across Five Solanaceae Crops. 5th International Conference on Smart Systems: Innovations in Computing, Intelligent Systems and Data Analysis (SSIC 2025 Doctoral Symposium).
28	Dr. Navneeta Bharadvaja	Bhardwaj, T., Siro, V., & Bharadvaja, N. (2026). Multi-target Therapeutic Potential of Quercetin in Estrogen-Driven Gallbladder Pathogenesis: A Network Pharmacology and Molecular Docking Approach. International Conference on Cognitive Informatics Engineering and Technology 2026, Vidyaa Vikas College of Engineering and Technology, Tiruchengode, in collaboration with OSIET, Chennai, and Samarkand State University, Uzbekistan.
29	Dr. Asmita Das	Delivered Invited Talk as Resource Person for Winter School on Immunology at NII ; Title of Talk - "Innate-Adaptive Crosstalk and Pattern Recognition Receptors"

S. No.	Faculty Name	Publication
30	Dr. Asmita Das	Pal, A., & Das, A. (2026). Identification of Common Genes, miRNAs, and Transcription Factors through Comprehensive Network Analysis for Enhanced Management of Gastritis and Stomach Cancer. International Conference on Biomedical Informatics and Biotechnology Innovations (ICIBBI-26).
31	Dr. Asmita Das	Gaur, T., & Das, A. (2026). Integrated Molecular Network Analysis Reveals MYC, EIF4EBP1, and NOS3 as Key Drivers of Cortical Abnormalities in PKD-TSC Overlap. International Conference on Biomedical Research and Biotechnology Applications (ICBRBA-26).
32	Dr. Asmita Das	Yadav, M., & Das, A. (2026). Explainable Artificial Intelligence-Based Identification of Tamoxifen Resistance Biomarkers in Breast Cancer. 9th International Conference on Advances in Biosciences & Biotechnology (ICABB 2026).
33	Dr. Asmita Das	Singh, S., & Das, A. (2026). Mapping the Immuno-Oncologic Interface of Systemic Lupus Erythematosus and Hepatocellular Carcinoma for Drug Repurposing Insights. 9th International Conference on Advances in Biosciences & Biotechnology (ICABB 2026).
34	Dr. Asmita Das	Sharma, Y., & Das, A. (2026). AI-Enabled Identification of Plasma Lipid Biomarkers Associated with Nonalcoholic Fatty Liver Disease Progression. 9th International Conference on Advances in Biosciences & Biotechnology (ICABB 2026).
35	Dr. Asmita Das	Sejal, & Das, A. (2026). Regulatory Network-driven Biomarker Discovery for Pancreatic Ductal Carcinoma and Pancreatic Pseudocyst. 5th International Conference on Advances in Science, Engineering & Technology (ICASET 2026).
36	Dr. Asmita Das	Shreya, & Das, A. (2026). Identification of Signature Molecular Biomarkers for Therapeutic Targeting of Cardiovascular Diseases by Network-Based Analysis. 5th International Conference on Advances in Science, Engineering & Technology (ICASET 2026).
37	Dr. Asmita Das	Kumari, K., & Das, A. (2026). Molecular Crosstalk Between Pulmonary and Cardiovascular Disorders: A Systems Approach. 14th International Conference on Contemporary Engineering and Technology (ICCET 2026).
38	Dr. Asmita Das	Goley, K., & Das, A. (2026). Biomarker Studies Revealing Molecular Links Between Polycystic Ovary Syndrome and Breast Cancer. International Conference on Biomedical Informatics and Biotechnology Education (ICIBBE-26).
39	Dr. Asmita Das	Dewan, R., & Das, A. (2026). Integrative Network Biology Identifies Shared Transcriptional and miRNA Regulatory Hubs Linking Liver and Pancreatic Dysfunction in Metabolic Disease. International Conference on Biomedical Informatics and Biotechnology Education (ICIBBE-26).
40	Dr. Asmita Das	Yadav, M., & Das, A. (2026). miRNA-Guided Enhancement of Epigenetic Drug Efficacy in Cancer Treatment: A Novel Computational Approach. 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI 2026), Gautam Buddha University, Greater Noida.
41	Dr. Asmita Das	Kumari, M., Nikita, Gulia, S., Das, A., & Rani, A. (2026). Prediction of Anti-lung Cancer Potential of Traditional Medicinal Plant-Derived Compounds: A Comprehensive In Silico Analysis. 15th International Conference on Chemistry and Chemical Process (ICCCP 2026).
42	Dr. Asmita Das	Kanan, & Das, A. (2026). A Computational Framework for Identifying Obesity-Associated Gene Signatures Using Human Adipose and Skeletal Muscle Transcriptomes. 3rd International Conference on Advances in Engineering and Medical Sciences 2026.

S. No.	Faculty Name	Publication
43	Dr. Asmita Das	Lata, P., & Das, A. (2026). Isolation and Functional Exploration of Potential Chromium-Utilizing Bacteria for Bioremediation and Biomineralization Applications. 3rd International Conference on Advances in Engineering and Medical Sciences 2026.
44	Dr. Asmita Das	Joshi, P., & Das, A. (2026). Hyaluronan Metabolism at the Interface of Immune Dysregulation and Neurodegeneration. International Conference on Biomedical Innovations in Bioinformatics and Biotechnology (ICBIBB-26).
45	Dr. Asmita Das	Joshi, P., & Das, A. (2026). Machine Learning-Driven Integrative Transcriptomic Analysis for Identifying Shared Biomarkers between Huntington's Disease and Common Variable Immunodeficiency. 3rd International Conference on Advances in Engineering and Medical Sciences 2026.
46	Dr. Asmita Das	Kanrar, M., & Das, A. (2026). An Integrative Network-based Analysis Reveals Shared Therapeutic Targets in COPD and Idiopathic Pulmonary Fibrosis. 1st International Conference on Intelligent Technologies for a Sustainable and Inclusive Future.
47	Dr. Smita Rastogi Verma	Juyal, A., Borgohain, A., & Rastogi Verma, S. (2026). In Silico Biomedical Analysis of Marine Phlorotannins as Potential DPP-4 Inhibitors for Diabetes Management. IEEE XII International Conference on Biosignals, Images and Instrumentation (ICBSII 2026), Sri Sivasubramaniya Nadar College of Engineering, Chennai.
48	Dr. Smita Rastogi Verma	Bhattacharjee, J., Ansari, R., & Rastogi Verma, S. (2026). AI-Assisted Clinical Decision Support System for Early Breast Cancer Detection and Risk Stratification Using Cellular Morphometrics. International Conference on Cognitive Informatics Engineering and Technology 2026, organized by Vidyaa Vikas College of Engineering and Technology, Tiruchengode, and Samarkand State University, Uzbekistan.
49	Dr. Kriti Bhandari	Virmani, L., Vij, D., & Bhandari, K. (2026). Phytoremediation Driven Assessment of Agrochemical Contamination in Soil and Water: A Simplified Index-Based, Analytical, and Eco-Toxicological Perspective. International Conference on Advances in Science, Engineering & Technology (ICASET 2026).
50	Dr. Prem Raj Meena	Pandita, A., Maan, B., & Meena, P. R. (2026). Transboundary Resistomes: A One Health Framework for Understanding the Global Spread of Multidrug-Resistant ExPEC.

Dr. Mamta Secures Prestigious ANRF Prime Minister Early Career Research Grant!

The Department congratulates Dr. Mamta on receiving the prestigious ANRF Prime Minister Early Career Research Grant (PM ECRG) from the Anusandhan National Research Foundation (ANRF), Government of India. The award is a significant milestone that reflects Dr. Mamta's dedication to advancing impactful research and contributes to strengthening the department's research ecosystem. It will facilitate cutting-edge scientific investigations, promote interdisciplinary collaborations, and provide valuable research opportunities for students and young researchers. We extend our heartfelt congratulations to Dr. Mamta on this remarkable achievement and wish her continued success in her research project entitled "Harnessing Halophilic and Halotolerant Microbial and Enzymatic Technologies for Agricultural Waste Valorization, Plant Growth Enhancement and Stress Alleviation: Fostering the Bio-E³ Vision for Climate Resilient Agriculture".



Prof. Yasha Hasija Co-Edits Springer Book on Algal Bioremediation

The Department is pleased to share that Prof. Yasha Hasija has co-edited the newly published Springer book *Algal Bioremediation: Sustainable Solutions, Challenges, and Future Prospects* with ISBN: 978-981-95-8792-6 (Hardcover). The book highlights recent advances in algal bioremediation, covering algal-based solutions for wastewater treatment and pollutant degradation, as well as emerging applications of omics, nanotechnology, and biotechnology for sustainable pollution control and a circular bioeconomy. This publication represents a significant academic contribution to the growing field of sustainable environmental biotechnology and further highlights Prof. Hasija's research leadership and contribution to interdisciplinary scientific research.



Patent Granted

- Suman Kumar Dhar, ANKITA TEHLAN, Asish Kumar Mukhopadhyay

Indian Patent granted relating to "Acriflavine Hydrochloride as a potent *Helicobacter pylori* growth inhibitor" (Application no. 202011021298).



Participation in Faculty Development Programmes

- Dr. Prem Raj Meena, Dr. Ankita, Dr. Shivani Khatri and Dr. Praveen Kumar participated in a five-day Faculty Development Programme "Vivek Marg" held from 8–12 June 2026, aimed at fostering holistic professional and personal development. The programme commenced with an inaugural address by the Hon'ble Vice Chancellor, Prof. Prateek Sharma, followed by an inspiring keynote lecture on "Holistic Education and Swami Vivekananda" by Swami Shantatmananda, Secretary, Ramakrishna Mission, Gurugram. The programme featured a series of engaging sessions on themes including Dharma and Academic Life, Value-Based Education, Purpose-Driven Performance, Mind Management and Guided Meditation, The Philosophy of Work and the Goal of Life, and Ethics in Artificial Intelligence and Responsible Decision-Making. Complementing

these discussions were experiential theatre workshops conducted each day, focusing on observation, communication, movement, classroom presence, and reflective practice, enabling participants to integrate these insights into their teaching and professional lives.

- Dr. Ankita and Dr. Prem Raj Meena successfully completed the Faculty Development Program (FDP) on Ignite Entrepreneurship Program, designed and conducted by Wadhvani Foundation's National Entrepreneurship Network (NEN).
- Dr. Smita Rastogi Verma successfully completed e-FDP on Environmental Policies and Technologies in Viksit Bharat organized by Jamia Millia Islamia, New Delhi (June 8-12, 2026).



Memoranda of Understanding (MoU) Signed

The Department of Biotechnology, signed an MoU with Premas Life Sciences, New Delhi on February 20, 2026 for promotion of students' training in cutting edge areas in Biotechnology research and strengthening academia-industry collaboration. The MoU will help foster advanced research, experiential training, and practical problem-solving opportunities for both students and faculty members.

The signing ceremony was marked by insightful deliberations from Prof. Prateek Sharma, Hon'ble Vice-Chancellor, Shri Binod Doley, Registrar,

Prof. Girish Kumar, Director R&D, and Prof. Yasha Hasija, HoD Biotechnology. The industry perspective and collaborative vision were shared by Dr. Debjani Saha and Dr. Anuj Pandey, highlighting the partnership's potential to create meaningful academic and professional impact. As a significant outcome of this collaboration, the Department of Biotechnology at DTU, in association with Premas Life Sciences Pvt. Ltd., launched an Industry-Linked Skill Course—a 2-credit Certificate Course titled Next Generation Sequencing: Methods & Data Analysis.





Events Organized by the Department

World Tuberculosis Day

On the occasion of World Tuberculosis Day 2026, the Department organized an awareness programme themed “Yes! We Can End TB” on 24 March 2026 to promote scientific understanding of tuberculosis and encourage dialogue on emerging research and public health strategies. The event started with an address from the Head of the Department, Prof. Yasha Hasija and featured two distinguished speakers: Prof. (Dr.) Anant Mohan, Professor and Head, Department of Pulmonary Medicine, AIIMS, Delhi and Dr. Garima Khare, Associate Professor, Department of Biochemistry, University of Delhi South Campus. Prof. Mohan delivered an insightful lecture titled “Bench to Bedside: The Changing Landscape of Tuberculosis Diagnosis and Treatment”. He discussed recent advances in TB diagnostics, evolving treatment strategies for drug-sensitive, multidrug-resistant (MDR), and extensively drug-resistant (XDR) tuberculosis, while highlighting the role of the National Tuberculosis Elimination Programme (NTEP).

Dr. Garima Khare, Scientist, talked about “Understanding the Role of the Amino Sugar Pathway in the Pathogenesis of Mycobacterium tuberculosis: A Step Forward Towards TB Vaccine Development”. She elaborated on the significance of amino sugar metabolism in TB pathogenesis and its potential for future vaccine development. Both sessions were followed by an engaging interaction with students, researchers, and faculty members.

The programme also included a knowledge-based quiz competition to enhance student participation and reinforce key concepts related to tuberculosis. Four teams competed, with Charu Aggarwal and Mansi Goyal, first-year M.Sc. Biotechnology students, securing the first prize. Vote of thanks was delivered by the convener, Dr. Raman. The event witnessed the enthusiastic participation of students, research scholars, and faculty members, reflecting the department's commitment to fostering scientific awareness and academic excellence.



Celebrating International Day of Women and Girls in Science

We celebrated the International Day of Women and Girls in Science with an inspiring programme dedicated to recognizing the invaluable contributions of women in science, technology, engineering, and mathematics (STEM). The event was graced by Prof. Prateek Sharma, Hon'ble Vice Chancellor, DTU, whose motivating address highlighted the importance of gender equity, inclusion, and creating opportunities for women to excel in scientific research and innovation. Prof. Yasha Hasija delivered the welcome note. The keynote address was delivered by Dr. Preeti Banzal, Adviser and Scientist 'G' at the Office of the Principal Scientific Adviser to the Government of India, who shared inspiring stories of pioneering women scientists, discussed the challenges faced by women in STEM, and encouraged students to pursue scientific careers with confidence and determination.

The celebration also featured engaging interactions where faculty members and students shared their personal experiences and perspectives on women's empowerment, equity, and inclusion in science. The discussions fostered meaningful dialogue on resilience, leadership, and the importance of breaking barriers to create a more inclusive scientific community. The event concluded with Vote of thanks from Dr. Shivani. The event served as a motivating platform for young researchers, reaffirming the department's commitment to promoting diversity, empowering future women scientists, and nurturing an environment where talent and innovation can thrive irrespective of gender.



Workshop on "Drug Discovery using In Silico Methods"

On 8 April 2026, BioSoc DTU organized a hands-on workshop on "Drug Discovery Using In Silico Methods", conducted by Mr. Yuvraj Sharma, Ph.D. Scholar, Department of Biotechnology, Delhi Technological University. The workshop introduced participants to modern computational approaches used in therapeutic discovery, beginning with the principles of rational drug design, disease target identification, and the application of transcriptomic data in understanding disease mechanisms. Students gained practical experience in differential gene expression analysis using the NCBI Gene Expression Omnibus (GEO) and GEO2R, learning how bioinformatics can facilitate the identification of potential therapeutic targets.

The practical sessions focused on structure-based drug discovery, where participants explored molecular docking using PyRx and

validated ligand-protein interactions with BIOVIA Discovery Studio. By integrating bioinformatics, systems biology, and computational chemistry, the workshop provided students with a comprehensive understanding of the computational drug discovery pipeline—from target identification to interaction analysis. The programme concluded with an interactive discussion on the applications of in silico methods in pharmaceutical research and precision medicine, equipping participants with valuable computational skills for future research in biotechnology and drug discovery.



World Malaria Day

To commemorate World Malaria Day 2026, the Department organized a symposium on 24 April 2026 at Pragyan Hall, Administrative Block, under the theme "One Health, One Fight: Malaria-Free Nation." The programme began with the National Anthem, ceremonial lamp lighting, and Saraswati Vandana, followed by the inaugural session graced by Prof. Prateek Sharma, Hon'ble Vice Chancellor, DTU, as the Chief Patron. The event was conducted under the guidance of Prof. Yasha Hasija, Head, Department of Biotechnology, with Dr. Prem Raj Meena as Convener and Dr. Praveen Kumar as Co-Convener. Dr. Navneeta Bharadvaja delivered the welcome address, emphasizing the department's commitment to advancing biotechnology research and promoting collaborative efforts to address global health challenges. The symposium highlighted the importance of sustained research, effective surveillance, vector management, and the One Health approach in achieving India's goal of malaria elimination.

The scientific programme featured keynote lectures by Prof. Pawan Malhotra, Group Leader, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, who presented recent advances in malaria parasite biology, drug discovery, and strategies to combat antimalarial resistance, and Dr. Rajnikant Dixit, Scientist, ICMR–National Institute of Malaria Research (NIMR), New Delhi, who discussed mosquito biology, vector ecology, and innovative approaches for strengthening malaria surveillance and control. The lectures were followed by an engaging interactive session, where students, faculty members, and research scholars discussed topics including parasite evolution, vaccine development, genomic technologies, and vector management. The symposium served as an excellent platform for scientific exchange, inspiring young researchers while reinforcing the importance of interdisciplinary collaboration in advancing malaria research and supporting India's vision of a malaria-free nation.



Lecture Series in Biotechnology 2026 (9th Lecture)

The department held the 9th lecture of the Lecture Series in Biotechnology on 27 April 2026 at Vigyan Hall, Administrative Block. The event was conducted under the patronage of Prof. Prateek Sharma, Hon'ble Vice Chancellor, DTU, with Prof. Yasha Hasija, Head, Department of Biotechnology, chairing the session. The seminar, coordinated by Dr. Ankita, aimed to expose students and researchers to emerging developments in biotechnology through interactions with leading scientist and our invited speaker, Dr. Rajesh Pandey, Senior Principal Scientist, CSIR–Institute of Genomics and Integrative Biology (CSIR-IGIB), New Delhi. He delivered an insightful lecture titled "Looking Inside Out into the Cell for Decoding Genomic Modulators of Disease Severity."

Dr. Pandey highlighted the transformative role of genomics, multi-omics technologies, and computational biology in understanding

disease mechanisms and advancing precision medicine. He discussed how integrative genomic approaches are helping identify key molecular modulators of disease severity, paving the way for improved diagnostics and personalized therapeutic strategies. The lecture witnessed enthusiastic participation from faculty members, research scholars, staff, and students, followed by an engaging interactive session where participants discussed emerging trends, research opportunities, and future directions in genomics. The event successfully reinforced the department's commitment to promoting scientific excellence and fostering a vibrant culture of research, innovation, and academic exchange.





Bridging Academia and Industry: DTU Launches Its First Industry-Linked Skill Course in Next-Generation Sequencing

In a significant step towards strengthening industry-integrated education, the Department of Biotechnology, Delhi Technological University (DTU) successfully conducted its first Industry-Linked Skill Course—a 2-credit Certificate Course on Next Generation Sequencing (NGS): Methods & Data Analysis from 22–29 June 2026, in collaboration with Premas Life Sciences Pvt. Ltd. Designed in line with the objectives of NEP 2020 and outcome-based education, the course aimed to bridge the gap between classroom learning and industry expectations by equipping students with practical, job-ready skills in one of the fastest-growing domains of Biotechnology. Through expert-led sessions, real-world case studies, and hands-on exposure to contemporary genomics tools and data analysis, participants gained valuable insights into precision genomics and its expanding applications in research, diagnostics, and healthcare.

A key highlight of the programme was the students' visit to Uncoded Lab, where they experienced live NGS workflows, state-of-the-art instrumentation, and industry-standard laboratory practices. Participants also had the opportunity to interact closely with scientists and industry experts, gaining valuable mentorship and first-hand perspectives on careers in genomics. The successful completion of this pioneering initiative reflects DTU's commitment to fostering academia–industry partnerships and developing a workforce equipped with future-ready skills. The Department extends its sincere appreciation to Premas Life Sciences Pvt. Ltd., particularly Mr. Praveen K. Gupta, Dr. Debjani Saha, Dr. Rajshekhar Chatterjee, and Dr. Anuj Pandey, for their invaluable support in making this programme a resounding success. As DTU continues to innovate its academic offerings, this course marks the beginning of many such collaborative initiatives aimed at preparing students for the evolving biotechnology and life sciences sector.





Student's Corner

The Department is delighted to share a fresh round of student triumphs from National case-competition wins and conference appearances to top GATE ranks and new research internships. These accomplishments reflect the curiosity, perseverance, and ambition that continue to define our student community. Behind every medal and every podium appearance is a story of many sleepless nights, improved critical thinking skills, and courage in difficult moments. We are proud to add their names to the growing legacy of this newsletter.

Pioneering Green Innovation-Shubhika and Pradeep Patel

Shubhika and Pradeep Patel, students of MTech IBT, have brought immense pride to the institute by securing the Second Position and a cash prize of 15 lakh at the Rajasthan Green Innovation Challenge (RGIC 2026). The competition was jointly organised by the Rajasthan State Pollution Control Board and MNIT Jaipur. The duo were recognised for developing an AI-integrated Bio-Solar Panel made from organic fruit waste, marking it as India's first Made-in-India Bio-Solar Panel of its kind. In recognition of their outstanding innovation,

the team was felicitated by the Hon'ble Chief Minister of Rajasthan, Mr. Bhajan Lal Sharma. Adding to this achievement, Pradeep has also been selected for the Pre-Incubation Stage at the DTU Innovation and Incubation Foundation (DTU-IIF) to further develop and scale this venture.



A Historic Moment: Dhanvin Richie Gupta Tops GATE Biotechnology 2026 with All India Rank 1!



Dhanvin Richie Gupta (22/BT/10), our final-year B.Tech student has achieved something truly extraordinary, he has topped GATE Biotechnology 2026 with an All India Rank 1.



Gaurav Prabhat (23/BT/030) from third year secured an outstanding All India Rank 209. The students showcased their sheer dedication and determination required to achieve such amazing scores.

Multiple wins by Piyush Sharma

One national title would be impressive, Piyush Sharma (24/BT/048) walked away with two. He grabbed the first position in National-Level Asian Parliamentary Debate organised by IIM Indore. Interestingly, he also won the first position in the National-Level Case Competition at SRCC Town Hall, outlasting over 100 competing teams from across the country. Additionally, he was the 2nd Runner-Up at Business Conclave (one of Asia's largest national-level case competitions) organized by Shri Ram College of Commerce, with 2000+ participants and 150+ teams nationwide.



Several victories of Vanshika Dhaka!



Three competitions, Three first-place trophies. Vanshika Dhaka swept the top spot at the Echelon Case Competition (KMC), the Mark on Case Competition (SRCC), and the Purpose to Profit Case Competition (IIT Delhi). She backed up this hat-trick with two more 2nd Places at the Epsilon Case Competition, organised by Shaheed Sukhdev College of Business Studies, and at the Agripreneur Case Competition, organised by Miranda House.

Topper of her entire batch, Prajakta Tiwari

Prajakta Tiwari led the order of merit across the entire B.Tech (Biotechnology) Batch of 2021-2025, walking away with the department's highest academic honor, the Vice-Chancellor's Gold Medal. She was felicitated on stage at DTU's Golden Pride Function on March 10, 2026.



Launching an Entrepreneurial Venture: Sanvi & Parth Sharma

Raechal AI The dynamic duo of Sanvi and Parth Sharma, both final-year B.Tech students, have achieved a major entrepreneurial milestone by co-founding Raechal AI—a startup that helps businesses auto-fix their SEO and boost their online presence. But their accomplishments don't stop there; in a parallel academic milestone,

Sanvi has also received interview calls from multiple prestigious IIMs, including Ahmedabad, Kozhikode, Udaipur, Vizag, Vishakhapatnam, Jammu, Sambalpur, Bodh Gaya, and Sirmour. With their entrepreneurial spirit and academic brilliance combined, these two are definitely ones to watch out for as they continue building their future.

Dr. Neetu Rani's project proposal approved under the AICTE Post-Doctoral Fellowship (APDF) Scheme, a first for the department!

Dr. Neetu Rani's project proposal has been approved under the AICTE Post-Doctoral Fellowship (APDF) Scheme marking the very first such approval the Department of Biotechnology has ever received, and one of just five cleared across the entire University. A landmark moment that reflects both Dr. Rani's research credentials and the department's growing standing in competitive, national-level funding avenues.



Remarkable achievements continues...

Our students excelled in research, competitions, and global academic pursuits, as captured below:

Roll No.	Name	Achievement / Award
25/IBT/12	Ayush Pandita	2 nd Prize, Poster Presentation “Transboundary Resistomes: A One Health Framework for Understanding the Global Spread of Multidrug-Resistant ExPEC,” at the 2nd International Conference on Biomanufacturing, Bio-Innovation, and Environment Sustainability, Chandigarh University (2026)
25/IBT/18	Bhavesh Maan	2 nd Prize, Poster Presentation “Transboundary Resistomes: A One Health Framework for Understanding the Global Spread of Multidrug-Resistant ExPEC,” at the 2nd International Conference on Biomanufacturing, Bio-Innovation, and Environment Sustainability, Chandigarh University (2026)
23/BT/62	Saksham Gupta	3 rd Prize, straight up valuation, organized by assests DTU
24/BT/004	Abhilasha Sharma	3 rd Place, CaseQuest 2026 (AI-First Strategy Challenge), organised by DTU Consulting Group & IEEE DTU at Invictus, DTU
BTech (Final Year)	Anagh Aditya	Received admission offers, along with scholarships, from Trinity College Dublin, University of Glasgow, and IIT Delhi, with decisions from three more universities awaited in June.
BTech (Final Year)	Parth Jain	Secured admission to the Master’s programme in Biomedical Engineering at the University of Melbourne.

Conference Participation

Our students also carried the department’s name to global and national platforms, engaging in conversations that matter and presenting their work before audiences far beyond DTU.

Roll No.	Name	Conference Participation Details
23/BT/105	Rishabh Mohan Sinha	Attended the Harvard HPAIR Conference at Harvard University, Cambridge, Massachusetts, USA, with discussions on global healthcare, diplomacy, and advancements in biotechnology
24/BT/043	Mukund Gupta	Presented review paper at BITS Pilani Goa Campus as primary author, in collaboration with IIT Goa
23/BT/63	Samihan Sharma	Presented “Lightweight EEG Interpretation on ADHD Model with 85% Accuracy Using Brain Waves” at ‘She Innovates’, IIT Kharagpur
25/PhDBT/502	Aastha Kaushik	Secured IInd best Oral Presentation award in Young scientist category (Rs. 2000) in National Symposium on “Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function” scheduled on 15th April and 16th April 2026, organized by Society for Neurochemistry India (SNCI) Aastha Kaushik, Pravir Kumar (2026), MYC-RELA-MYD88 Axis Reveals Divergent Ubiquitin-mediated Inflammatory and Proteostasis Networks in Alzheimer’s and Huntington’s Disease-
25/RBT/04	Vimarsh Srivastava	Consolation prize for Oral Presentation in young scientist category in National Symposium on “Bridging Neurochemistry and Neuroscience: Molecular Insights into Brain Function” scheduled on 15th April and 16th April 2026, organized by Society for Neurochemistry India (SNCI) Vimarsh Srivastava, Pravir Kumar (2026), Neighborhood Deconvolution Identifies Neuro-Immune Crosstalk in AD Spatial Profiles

Interns on the Rise: Celebrating Our Students' Professional Leaps

Our students have once again shown remarkable drive and initiative, successfully secured new internships and stepped straight into the world of real research.

These hands-on stints at premier institutes give our students the chance to translate classroom learning into practical skill, forge invaluable professional networks, and get an early taste of what a career in scientific research really feels like experience that will serve them well for years to come.

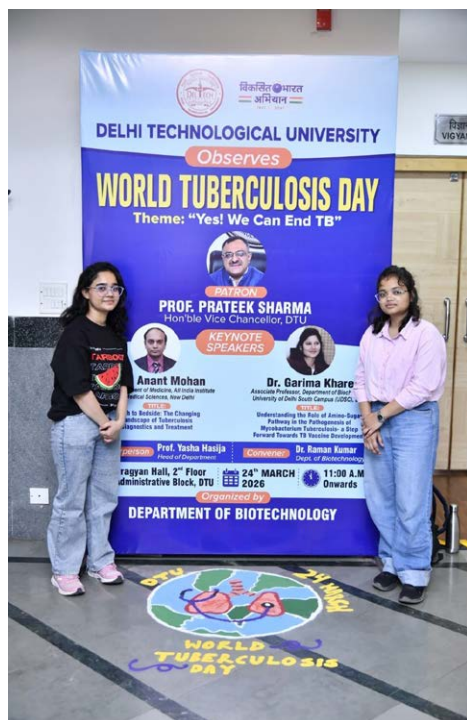
Roll No.	Name	Internship Details
23/BT/63	Samihan Sharma	Indian institute of science (IISc) , Bengaluru , Centre of Neuroscience Selected for IBRO (International Brain Research Organisation) summer school 2026, Taiwan- Neuroscience group Westlake University, China , Department of Biosciences
23/BT/35	Krishna Singhal	All India Institute of Medical Sciences, New Delhi (AIIMS-D), Department of Biochemistry
23/BT/076	Anuksha Dhoptey	NITRD (completed) Marbles Health, Gurgaon (ongoing)
23/BT/62	Saksham Gupta	ICMR - NIMR, Epidemiology Department, Dwarka (Ongoing) Jamia Millia Islamia, Life sciences Department (completed)
24/IMS BIO/31	Vanshika Dhaka	mPragati at IIT Delhi
23/BT/110	Vannsh Jain	Mechanobiology Institute, NUS, Singapore IIT Delhi



PHOTO GALLERY











Department of Biotechnology
Delhi Technological University

Shahbad Daulatpur, Bawana Road, Delhi-110042