

ACTIVITIES OF DEPARTMENTAL OFFICIAL SOCIETY – BIOSOC-DTU IN 2024

Bioinsight Forum: A Panel Discussion on 'Drug Discovery and Bioinformatics' was organized by BioSoc-DTU jointly with SRG-India International Society for Computational Biology on February 9, 2024

Distinguished panellists were -

- **Prof. Urmi Bajpai**, Department of Biomedical Science, ANDC, DU
- **Dr. Janendra Batra**, INSA Senior Scientist, ICMR
- **Dr. Deeksha Pandey**, Scientist, ICGEB
- **Dr. Dibyabhaba Pradhan**, Scientist, AIIMS

The forum unfolded with an interactive panel discussion on cutting-edge topics in drug discovery and bioinformatics, including challenges in analyzing large datasets and validation, importance of data quality and standardization, predicting drug efficacy and toxicity, and personalized medicine. Panellists also highlighted future directions and emerging technologies.

BioTech Venture X, a pioneering pitching competition, was organized by



BioSoc-DTU on February 10, 2024

The competition provided a platform for aspiring Biotechnology entrepreneurs to pitch innovative ideas. It illuminated the intersection of entrepreneurial prowess and biotechnological acumen. Participants from various colleges showcased visionary startup ideas that transcended the boundaries of theoretical knowledge and practical applications in Biotechnology. The winning innovations included CareCoders, Mitochondria is the Power House of the Cell and Bottle of Gold. These ventures epitomized dedication to innovation and excellence, underscoring the event's role in fostering transformative ideas that promise to shape the future of Biotechnology.



Lab Ratz Quiz 2.0 was organized by BioSoc-DTU on February 12, 2024

The quiz competition unfolded as a grand spectacle of intellect and camaraderie. **Dr. Debojyoti Basuroy** (Scientist, AIIMS), the esteemed Quiz Master set the stage for a thrilling competition after an inspiring introduction to the society's visionary mission.

The quiz commenced with an engaging online round, leading to three riveting offline rounds at DTU: two dynamic Bounce and Pounce sessions featuring MCQs, Case study-based fill-in-the-blanks, and a captivating JAM (Just a Minute) session. The winners, The Mighty Chordians led by Aashi Barwal claiming 1st place, Divya Dracos led by Divya Sharma securing 2nd place, and VitalH led by Soham and Anushka clinching 3rd place, showcased exceptional knowledge and strategic acumen.



An Industrial Visit to 'Milkyway Mushroom Spawn' was organized on March 30, 2024

Participants from BioSoc-DTU recently embarked on an educational excursion to Milkyway Mushroom Spawn's facility, gaining valuable insights into the industrial processes of mushroom cultivation. The visit provided a comprehensive overview of extraction, sterilization, and spawn culturing techniques. Attendees explored the entire production line, from cultivation through to packaging, witnessing firsthand the application of advanced farming methodologies. This initiative contributed significantly to the experiential learning opportunities for students interested in biotechnological applications.



Orientation of Newly Admitted Undergraduate Students was organized by BioSoc-DTU on August 2, 2024

The newly admitted students were skillfully explained the constitution of the society, and its mission to cultivate a dynamic and intellectually stimulating environment that promotes the exchange of knowledge, pioneering innovation, collaborative endeavors among students, and empowering the next generation of biotechnologists to explore cutting-edge advancements and make significant contributions to the field.

The session showcased a wide range of activities designed to enrich both the academic and practical aspects of Biotechnology. Highlights included a glimpse into the various events organized by BioSoc-DTU in the past, demonstrating the society's commitment to fostering a vibrant community. Additionally, the society's recently launched newsletter, '**The PetriDish**', was a key highlight, offering a fresh perspective on the latest developments in the field.



Industry Interaction with 'The Catalysts Group Pvt. Ltd.' was organized by BioSoc-DTU on September 13, 2024

Resource person was –

- **Dr. VTS Pavan Kumar Kavuluru**, VP, R&D, Catalysts Groups Pvt. Ltd.

Catalysts Groups Pvt. Ltd. is a leading Biotechnology Company committed to providing innovative and sustainable enzyme-based solutions to industries across India and developing economies. Dr. Kavuluru in his session comprehensively explained the working of his company, industries they serve with their enzyme-based solutions and the immense savings offered by their products to these companies. Dr. Kavuluru in particular focused on the three main areas the Catalysts Group specializes in: sugarcane processing, distilling & brewing and biogas production.



Visit to Institute of Genomics and Integrative Biology (CSIR-IGIB) was organized by BioSoc-DTU on September 30, 2024

Biotechnology students embarked on an enriching visit to IGIB, immersing themselves in cutting-edge Genomics and Biotechnology research. The interactive tour enabled students to engage with researchers, explore innovative projects, and witness the practical applications of foundational concepts. They gained valuable insights into various labs, including Genomics, Bioinformatics, Plant Biotechnology, and Animal Biotechnology, and learnt sophisticated techniques and instrumentation. The visit highlighted the importance of interdisciplinary research collaborations and inspired students to explore diverse career paths. By engaging directly with scientists, students deepened their appreciation for addressing global challenges through cutting-edge research, and were motivated to pursue their interests with greater fervour.

