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Biospectrum 2025

International Conference on Biotechnology and Biological Sciences

**University of Engineering and Management, Kolkata
Department of Biotechnology**

In Collaboration With

Faculty of Medicine, "Apollonia" University of Iasi, Romania

10th to 12th December 2025

TECHNICAL SCHEDULE

CONTENTS

DAY 1 (10th Dec 2025)	EVENT DETAILS	TIMING
	REGISTRATION [Buddha - AUDITORIUM]	8:30AM onwards
	BREAKFAST [AC CAFETERIA, B1 BUILDING]	9:00 AM-10:00 AM
	INAUGURATION [FICCI - AUDITORIUM]	10:00 AM – 10:30 AM
	GLOBAL EXCELLENCE AWARD [FICCI - AUDITORIUM]	10:30 AM – 11:00AM
	TEA-BREAK	11:00 AM – 11:15 AM
	Keynote 1: Dr. Arun Bandyopadhyay [FICCI - AUDITORIUM]	11:15 AM – 12:00 Noon
	Keynote 2: Dr Partha P. Majumder [FICCI - AUDITORIUM]	12:00 Noon-12:45 PM
	Keynote 3: Dr. Paul Williams [FICCI - AUDITORIUM]	12:45 PM-1:30 PM
	LUNCH [AC CAFETERIA, B1 BUILDING]	1:30 PM-2:30 PM
	Parallel Session 1 (Oral Session): Use of AI and ML in Biotechnology [B1 L.G. 0.4]	3:00 PM-4:15 PM
	Parallel Session 2 (Oral Session): Medical Biotechnology [BOARD ROOM- B3 Building]	3:00 PM-4:15 PM
	Parallel Session 3 (Oral Session): Plant Biotechnology [B1 LG 0.3- B1 Building]	3:00 PM-4:15 PM
	Parallel Session 4 (Oral Session): Environmental Biotechnology [B1 , BT IEDC Lab]	3:00 PM-4:15 PM
	Parallel Session 5 (Poster Session): Food Biotechnology [FICCI - AUDITORIUM]	3:00 PM-4:15 PM
	TEA Break	

DAY 2 (11th Dec 2025)	EVENT DETAILS	TIMING
	REGISTRATION [Buddha - AUDITORIUM]	8:30AM onwards
	BREAKFAST [AC CAFETERIA, B1 BUILDING]	9:00 AM-10:00 AM
	Keynote 4: Dr. Gaurab Gangopadhyay [FICCI - AUDITORIUM]	10:00 AM-10:45 AM
	Keynote 5: Dr. Sulagna Basu [FICCI - AUDITORIUM]	10:45 AM-11:30 AM
	Keynote 6: Dr. Swastika Paul [FICCI - AUDITORIUM]	11:30 AM-12:15 PM
	LUNCH [AC CAFETERIA, B1 BUILDING]	1:30 PM-2:30 PM
	Poster Competition for YOUNG SCIENTIFIC MINDS [Buddha - AUDITORIUM]	2:30 PM -4:00 PM
	Parallel Session 6 (Oral Session): Medical Biotechnology [FICCI – AUDITORIUM, B3 Building]	2:30 PM-5:00 PM
	Parallel Session 7 (Oral Session): Microbial Biotechnology [BOARD ROOM- B3 Building]	2:30 PM-5:00 PM
	Parallel Session 8 (Oral Session): Environmental Biotechnology [B1 LG 0.4- B1 Building]	2:30 PM-5:00 PM
	Parallel Session 9(Oral Session): Concepta of Law and Management in Biotechnology [B1, LG 0.3, B1 Building]	2:30 PM-5:00 PM
	Parallel Session 1 & 2 (Poster Session): Medical Biotechnology [MOOT Court & B1 LG IEDC Lab]	2:30 PM-5:00 PM
	Parallel Session 2 (Poster Session): Plant and Environmental Biotechnology [B1 LG 0.2, B1 Building]	2:30 PM-5:00 PM
	Parallel Session 3 (Poster Session): Internal Student Poster Competition [B1 LG 0.2, B1 Building]	2:30 PM-5:00 PM
	Tea Break	5:00 PM-5:30 PM

DAY 3 (12th Dec 2025)	EVENT DETAILS	TIMING
	REGISTRATION [Buddha - AUDITORIUM]	8:30AM onwards
	BREAKFAST [AC CAFETERIA, B1 BUILDING]	9:00 AM-10:00 AM
	WORKSHOP [FICCI, B3 Building]	10:00 AM -1:00 PM
	LUNCH	1:00 PM-2:00 PM
	VALEDICTORY [FICCI – AUDITORIUM, B3 Building]	2:15 PM-2:45 PM

DAY 1: 10th December 2025

TIME	Registration
Faculty Coordinator: Dr. Moupriya Nag and Dr. Dibyajit Lahiri Co-Coordinator: Dr. Rupsa Bhattacharya, Dr. Debapriya Maitra, Ms. Debashrita Majumder, Mr. Avijit Chakraborty, Ms. Rosalin Nath	
8:30 AM onwards	Registration Desk for Delegates

TIME	PARALLEL SESSION
10 AM-10:30 AM	INAUGURATION CEREMONY OF BIOSPECTRUM 2025
Link	https://us06web.zoom.us/j/88296338892?pwd=8OHL2IIM8mXhSUbZeosFialaaAigKa.1 882 9633 8892- Meeting ID Passcode- 616963

TIME	NAME OF THE EVENT
Link	https://us06web.zoom.us/j/88296338892?pwd=8OHL2IIM8mXhSUbZeosFialaaAigKa.1 882 9633 8892- Meeting ID Passcode- 616963
Session Chair	Dr. Rajashree Paul and Dr. Susmita Mukherjee

11:15 AM – 12:00 Noon	KEYNOTE ADDRESS BY: Dr. Arun Bandyopadhyay Director - Gujarat Biotechnology University (Gujarat, India) Former-Director CSIR-IICB, Kolkata, India
12:00 Noon-12:45 PM	KEYNOTE ADDRESS BY: Dr. PARTHA P. MAJUMDER, PhD, FNA, FASc, FNASc, FTWAS Distinguished Professor, John C. Martin Centre for Liver Research & Innovations Emeritus Professor, Indian Statistical Institute, Kolkata Adjunct Faculty Member, Indraprastha Institute of Information Technology Delhi
12:45 PM – 1:30 PM	KEYNOTE ADDRESS BY: Dr. Paul Williams Emeritus Professor of Molecular Microbiology, Faculty of Medicine & Health Sciences, University of Nottingham, UK.
1:30 PM-2:30 PM	LUNCH BREAK

PARALLEL SESSIONS

ORAL SESSION 1: Use of AI and ML in Biotechnology			
SESSION CHAIR: Dr. Buddhadeb Pradhan and Prof. Anay Ghosh			
SESSION TIME: 3:00 PM – 4:30 PM (DAY 1: 10th December 2025)			
Venue: B1 L.G. 0.4			
Faculty Coordinator: Dr. Keya De Mukhopadhyay			
Student Coordinator: Mr. Avijit Chakraborty			
Link: https://meet.google.com/tug-ixir-vax			
TIME ALLOTTED	PAPER ID	PAPER NAME	Author

3:00 PM-3:10 PM	202509062	Comparative performance of next gen YOLO models for Leaf health classifications in ornamental species	Swati Chowdhuri
3:10 PM-3:20 PM	202509020	A Comparative Classification Framework Using PCA and Modified PCA with Ensemble and Kernel-Based Learning Models for Mangrove Feature Analysis	Arpita Saha Chowdhury, Keya De Mukhopadhyay
3:20 PM-3:30 PM	202509123	A decision support machine learning tool for environmental bioremediation as water safety in India	Abhijit Debnath, Anuran Bhowmick, Satadru Jati, Mrinmay Das
3:30 PM-3:40 PM	202509018	A Hybrid Approach for Tumor Cell Prediction in <i>Arachis hypogaea</i> Root Nodules Using Differentially Expressed Genes and Image Processing	Surbhi Mistry
3:40 PM-3:50 PM	202509050	Attention-Guided Pooling with InceptionV3: A Novel Framework for Accurate and Interpretable Diabetic Retinopathy Detection	Rohan Ghosh, Aniket Paul, Chandril Adhikary

ORAL SESSION 2: MEDICAL BIOTECHNOLOGY**SESSION CHAIR: Dr. Debasmita Bhattacharya and Dr. Sandip Mukherjee****SESSION TIME: 3:00 PM – 4:30 PM (DAY 1: 10th December 2025)****Venue: Board Room (B3 Building)****Faculty Coordinator: Dr. Pratik Talukder****Student Coordinator: Ms. Debashrita Majumder****Video call link: <https://meet.google.com/aro-nkaa-hxo>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS
3:00 PM-3:10 PM	202509142	Evaluation of <i>Kappaphycus striatus</i> Lectin on SARS-CoV-2 Spike Protein-Specific IgG Responses	Intan Mariana Maliki, Wilson Thau Lym Yong
3:10 PM-3:20 PM	202509138	Anticancer Potential of Indian Propolis Against HT29 Colon Cancer Cells	Somsuvra Chatterjee
3:20 PM-3:30 PM	202509011	A pharmacophore study of camptothecin derivative sobuzoxane for the treatment of angiogenesis mediated N1-N8 breast cancer as a radiosensitizer	Sambit sarkar
3:30 PM-3:40 PM	202509134	Design and Evaluation of Quercetin-Integrated PVA/HEC Nanofibers for Bioactive Wound Healing Application	Inbaraj V
3:40 PM-3:50 PM	202509089	Effect of polyphenol extracts of <i>Helichrysum Maracandicum</i> on the passive permeability of liver mitochondrial membranes in rats with toxic hepatitis	Saidahon Ahmedova
3:50 PM-4:00 PM	202509041	Identification of a novel virulence factor from <i>Klebsiella pneumoniae</i> isolates associated with intestinal perforation and neonatal sepsis	Tanusree Ray

ORAL SESSION 3: Plant Biotechnology			
SESSION CHAIR: Dr. Maumita Bandopadhyay and Dr. Debapriya Maitra			
Faculty Coordinator: Dr. Rupsa Bhattacharya			
Joining Link: https://meet.google.com/orb-jhdi-xbi			
SESSION TIME: 3:00 PM – 4:30 PM (DAY 1: 10 th December 2025)			
Venue: B1 LG 0.3			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
3:00 PM-3:10 PM	202509013	Theoretical study of the antioxidant mechanism of chrysin and its metabolites – a computational approach	Anamika Basu
3:10 PM-3:20 PM	202509033	Genetic variability of Bowman Birk Inhibitor relation to total trypsin inhibitor activity in soybean with or without Kunitz trypsin inhibitor	Priyanka Mittal
3:20 PM-3:30 PM	202509096	A study on the role of secondary metabolites in combating lead-induced stress in <i>Pistia stratiotes</i> (Water lettuce)	Priti Mistry
3:30 PM-3:40 PM	202509014	Secondary metabolite profiling and genetic expression of <i>Andrographis paniculata</i> (Kalmegh)	Titiksha Singh
3:40 PM-3:50 PM	202509052	Regulation of secondary metabolite production in the two members of the Cucurbitaceae family	Milan Karmakar
3:50 PM-4:00 PM	202509105	Adaptive Responses of <i>Lantana camara</i> L. to Heavy Metal Stress: Effect of Chromium Nitrate on Secondary Metabolism	Sunaina Jhavar
4:00 PM-4:10PM	202509155	Enhancing Crop Resilience through Plant Biotechnology to Address Global Food Security Challenges	Srishti Singh Chauhan

ORAL SESSION 4: Environmental Biotechnology			
SESSION CHAIR: Dr. Tina De and Dr. Amit Chattopadhyay			
SESSION TIME: 3:00 PM – 4:30 PM (DAY 1: 10 th December 2025)			
Venue: B1 IEDC Lab			
Faculty Coordinator: Dr. Sonali Paul			
Student Coordinator: Ms. Sayanti Chandra			
Link: https://meet.google.com/xqj-yynf-qkz			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
3:00 PM-3:10 PM	202509118	Valorisation Of Spoiled Darjeeling (Eastern Himalaya Region) Mandarins Through Biotechnological Production of Aroma Compounds	Debarati Roy, Jayati Bhowal
3:10 PM-3:20 PM	202509081	Soil Quality Assessment for Conservation Planning: Insights from PCA-Based SQI	Wati Temjen
3:20 PM-3:30 PM	202509048	Corrosion Response of Twin Roll Cast AZ31 Alloy in Biologically Relevant Environments	Tanay Bag
3:30 PM-3:40 PM	202509127	Ecological characteristics and hydrochemistry of the Bozsuv canal in Tashkent city	Oybek Mamarakhimov
3:40 PM-3:50 PM	202509072	Diurnal Dynamics of Atmospheric Microplastic Content In The Central Regions of Uzbekistan	Malika Yuldasheva

ORAL SESSION 5: FOOD BIOTECHNOLOGY			
SESSION CHAIR: Dr. Kakoli Dutta and Dr. Ruchira Mukhopadhyay			
Faculty coordinator: Dr. Moupriya Nag			
SESSION TIME: 3:00 PM – 4:30 PM (DAY 1: 10 th December 2025)			
Venue: FICCI Auditorium			
Link: https://meet.google.com/bqb-kmkc-ygb			
Student Coordinator: Ms. Rosalin Nath			
TIME ALLOTTED	PAPER ID	PAPAER TITLE	AUTHORS WITH AFFILIATION & COUNTRY
3:00 PM-3:10 PM	202509024	Efficacy of black Cumin in edible film and edible coating formulation -a review	Sayanti Roy
3:10 PM-3:20 PM	202509074	Formulation and physiochemical characterization of fish skin (<i>Labeo rohita</i>) oil incorporated mayonnaise	Nabanita Ghosh
3:20 PM-3:30 PM	202509022	Investigating Thermal Process-Induced Functional Changes in Little Millet: A RSM-based Comparative Insight	Chitrini Das
3:30 PM-3:40 PM	202509140	Genetic variability of Bowman Birk Inhibitor relation to total trypsin inhibitor activity in soybean with or without Kunitz trypsin inhibitor	Atabek

Day 2: 11th December 2025

DAY 2 (11th Dec 2025)	EVENT DETAILS	TIMING
	REGISTRATION [Buddha - AUDITORIUM]	8:30AM onwards
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	Keynote 5: Dr. Sulagna Basu [FICCI - AUDITORIUM]	10:45 AM-11:30 AM
	Keynote 6: Dr. Swastika Paul [FICCI - AUDITORIUM]	11:30 AM-12:15 PM
	LUNCH [AC CAFETERIA, B1 BUILDING]	1:30 PM-2:30 PM
	Poster Competition for YOUNG SCIENTIFIC MINDS [Buddha - AUDITORIUM]	2:30 PM -4:00 PM
	Parallel Session 6 (Oral Session): Medical Biotechnology [FICCI – AUDITORIUM, B3 Building]	2:30 PM-5:00 PM
	Parallel Session 7 (Oral Session): Microbial Biotechnology [BOARD ROOM- B3 Building]	2:30 PM-5:00 PM
	Parallel Session 8 (Oral Session): Environmental Biotechnology [B1 LG 0.4- B1 Building]	2:30 PM-5:00 PM
	Parallel Session 9(Oral Session): Concepta of Law and Management in Biotechnology [B1, LG 0.3, B1 Building]	2:30 PM-5:00 PM
	Parallel Session 1(Poster Session): Medical Biotechnology [B1 , MOOT Court]	2:30 PM-5:00 PM
	Parallel Session 2(Poster Session): Medical Biotechnology [B1 LG IEDC Lab]	2:30 PM-5:00 PM
	Parallel Session 3 (Poster Session): Plant and Environmental Biotechnology [B1 LG 2.1, B1 Building]	2:30 PM-5:00 PM
	Parallel Session 4 (Poster Session): Internal Student Poster Competition [B1 LG 2.1, B1 Building]	2:30 PM-5:00 PM
	Tea Break	5:00 PM-5:30 PM

TIME	NAME OF THE EVENT
Link	https://us06web.zoom.us/j/89564875435?pwd=CzhiizAQakZA7UQIW8b1FEfBUEdT2h.1 Meeting ID- 895 6487 5435 passcode- 183592
10:00 PM – 10:45 PM	KEYNOTE ADDRESS 3 BY Dr. Gaurab Gangopadhyay Professor, Biological Sciences Bose Institute, Kolkata, India
10:45 PM – 11:30 AM	KEYNOTE ADDRESS 4 BY Dr. Sulagna Basu Scientist G ICMR - National Institute for Research in Bacterial Infections, India
11:30 AM-12:15 PM	KEYNOTE ADDRESS 5 BY Dr. Swastika Paul Co-founder & Chief Scientific Officer at ExSURE, India
1:30 PM-2:30 PM	LUNCH BREAK

ORAL SESSION 6: MEDICAL BIOTECHNOLOGY			
SESSION CHAIR: Dr. Debasmita Bhattacharya and Dr. Srijonee Choudhury			
SESSION TIME: 2:30 PM-5:00 PM (DAY 2: 11 th December 2025)			
Faculty Coordinator: Dr. Sonali Paul			
Student Coordinator: Ms. Saynati Chanda			
Venue: FICCI Auditorium			
Link: https://meet.google.com/mjr-pvok-xbp			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS
2:30 PM-2:40 PM	202509037	Phytoconstituents and HSP-70, the cancer biomarker: A molecular docking approach	Smaranika Pattnaik
2:40 PM-2:50 PM	202509009	Biofilms and Antimicrobial Resistance: A Hidden Driver in the One Health AMR Crisis	Rachna Jain
2:50 PM-3:00 PM	202509076	Whole-Genome Insights into High-Risk Escherichia coli Lineages Carrying OXA-48-like Carbapenemases: First Genomic Evidence of OXA-484 in India	Subhashree Roy
3:00 PM-3:10 PM	202509129	Exploring Hematological Biomarkers through Data Mining for Multi-Disease Prediction	Devjyoti Das
3:10 PM-3:20 PM	202509153	The Silent Epidemic: Chronic Arsenic Exposure and Carcinogenesis in the Gangetic Delta	Keya De Mukhopadhyay, Sinjayee Das, Sagnik Dutta, Rittik Medya, Siya Jaiswal, Asmita Mondal, Souvik Roy, Debjit Das, Anisha De
3:20 PM- 3:30 PM	202509158	Advances in Stem Cell and Regenerative Medicine for Overcoming Barriers in Tissue Repair and Organ Regeneration	Dr. Anand Trivedi
3:30 PM- 3:40 PM	202509160	A review of pharmacogenetic studies concerning genetics and treatment response in parkinson's disease	Gajanand pujari, G. Neethirajan, Arman Dalal, Ramanlal Narayan Kachave, Anuradha Pannu, Shivam Suresh Lale, <u>Arpan Kumar Tripathi</u> , Dharna Thakur, Md Tausif Raza, Nikunj B. Patel

ORAL SESSION 8: ENVIRONMENTAL BIOTECHNOLOGY			
SESSION CHAIR: Dr. Junaid Jibran Jawed			
FACULTY COORDINATOR: Dr. Pratik Talukder			
STUDENT COORDINATOR: Mr. Milan Karmakar			
SESSION TIME: 2:30 PM-5:00 PM (DAY 2: 11th December 2025)			
Faculty Coordinator: Dr. Pratik Talukder			
Venue: B1 LG 0.4			
Link: meet.google.com/mee-ckun-cjp			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2:30 PM-2:40 PM	202509140	GIS-based evaluation of groundwater table, groundwater mineralization, and soil salinity in Khovos District, Syrdarya province, Uzbekistan	Atabek
2:40 PM-2:50 PM	202509057	Design and Evaluation of Quercetin-Integrated PVA/HEC Nanofibers for Bioactive Wound Healing Application	Partho Biswas
2:50 PM-3:00 PM	202509152	Preliminary investigation on the occurrence and associated risks of Microplastics, Polyaromatic Hydrocarbons in the Ansupa Wetland: A Ramsar site in Odisha, India	Lipika Pattnaik
3:00 PM-3:10 PM	202509114	Detoxification of soil cadmium- analysing the potential of LDH as an adsorbent	Sonali Paul, Souvik Hazra, Ujaan Chatterjee, Aratrika Ghosh, Susmita Mukherjee
3:10 PM-3:20 PM	202509007	Biochar-Treated Rice Effluent: A Sustainable Strategy for Enhanced Reusability as Potable Water	Sonali Paul, Riddhi Chongder, Urmila Sinha, <u>Srijon Roy</u> , Gurleen Kaur Ubhi, Sanjana Sen, Susmita Mukherjee
3:20 PM-3:30 PM	202509132	Conversion of grey water to potable water using LDH-Biochar composite	Susmita Mukherjee, Souvik Hazra, Ujaan Chatterjee, Aratrika Ghosh, Sonali Paul

3:30 PM-3:40 PM	202509159	Nanobiotechnology for Sustainable Environmental Bioremediation and Industrial Waste Cleanup Solutions	Dr.Priya Pau
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SESSION 9: Concepts of Law and Management in Biotechnology			
SESSION CHAIR: Dr. Abhisikta Basu			
SESSION TIME: 2:30 PM-5:00 PM (DAY 2: 11 th December 2025)			
Faculty Coordinator: Dr. Moupriya Nag			
Venue: B1 LG 0.3			
Link: https://meet.google.com/bqb-kmkc-ygb			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2:30 PM-2:40 PM	202509001	Assisted Reproductive Technology and Hindu Succession: Reconciling Biotechnology with Lineage Law	Nitya Nandan Garg, Sampa Karmakar Singh, Rudraprasad Saha, Manoj Kumar Singh
2:40 PM-2:50 PM	202509025	Possibilities of assessing cluster potential in regions & Increasing the ecological efficiency of training in higher education	Dilshod Hudayberganov
2:50 PM-3:00 PM	202509146	Increasing the ecological efficiency of training in higher education	Dilshod Hudayberganov
3:00 PM-3:10 PM	202509160	Assessing and detecting spatiotemporal land use/cover changes in Uzbekistan using sentinel-2 imageries	Oybek Mamarakhimov

Poster SESSION 1: Medical Biotechnology

SESSION CHAIR: Dr. Rupak Roy and Dr. Sohini Sen

SESSION TIME: 2:30 PM-5:00 PM (DAY 2: 11th December 2025)

Coordinator: Mr. Avijit Chakraborty

Venue: MOOT Court

Link: <https://meet.google.com/tug-ixir-vax>

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS Name
2:30 PM-2:40 PM	Biospec/PO-01	Antimicrobial Resistance in Food Systems in the Post-COVID-19 Era: Emerging Challenges and Mitigation Strategies.	Ligen Das
2:40 PM-2:50 PM	Biospec/PO-05	Co-Production of KPC-2 with NDM-1,5 or OXA-232 in Klebsiella pneumoniae ST1741 and ST2534: Emerging Threat in a Neonatal Care Setting	Sharmi Naha
2:50 PM-3:00 PM	Biospec/PO-03	Characterization of gut resistome in healthy mother-infant dyads, focusing on beta lactam resistance in Enterobacterales	Amrita Bhattacharjee
3:00 PM-3:10 PM	Biospec/PO-06	Disarming Iron Piracy: Carbon-Doped Nickel Nanoparticles Inhibit Siderophore-Mediated Virulence in Foodborne Pseudomonas from Tilapia Gut	Aratrika ghosh
3:10 PM-3:20 PM	Biospec/PO-07	EXPLORING THE ROLE OF SEED PROTEIN HYDROLYSATES IN HUMAN HEALTH: APPLICATIONS IN DISEASE PREVENTION AND MANAGEMENT- REVIEW	Aditi Singh
3:20 PM-3:30 PM	Biospec/PO-09	Conventional vs. Platelet Rich Plasma -Assisted Recovery in Canine IVDD	Stefania Rosca

Poster SESSION 2: Medical Biotechnology			
SESSION CHAIR: Dr. Ruchira Mukherjee			
SESSION TIME: 2:30 PM-5:00 PM (DAY 2: 11th December 2025)			
Coordinator: Ms. Rosalin Nath			
Venue: B1 LG IEDC Lab			
Link: https://meet.google.com/bqs-vngt-xqt			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS Name
2:30 PM-2:40 PM	Biospec/PO-15	Identification of Platelet-Derived Extracellular Vesicle Proteins as Peripheral Biomarkers for Neurodegenerative Diseases	Chinmoyee Pramanik
2:40 PM-2:50 PM	Biospec/PO-17	Gene expression analysis of efflux and influx (OCT1) transporters in different cml phases.	Akash Pandey
2:50 PM-3:00 PM	Biospec/PO-23	Molecular pathogenesis of Hypervirulent Klebsiella pneumoniae (hvKp) induced liver abscess: roles of autophagic and apoptotic pathways	Sanjib Das
Poster SESSION 3: Plant and Environmental Biotechnology			
SESSION CHAIR: Dr. Uttam Pal			
SESSION TIME: 2:30 PM-5:00 PM (DAY 2: 11th December 2025)			
Coordinator: Mr. Milan Karmakar			
Venue: B1 LG 2.1, B1 Building			
Link: meet.google.com/mee-ckun-cjp			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS Name

2:30 PM-2:40 PM	Biospec/PO-02	Ultrasound-Assisted Processing of Black Garlic: Effects on Functional and Bioactive Properties	Sabarni Mandal
3:00 PM-3:10 PM	Biospec/PO-16	Decrypting the molecular mechanism of antioxidant enzymes' regulation in reference to reactive oxygen species and reactive nitrogen species in higher plants	Asma Sultana, Sharmila Chattopadhyay
3:10 PM-3:20 PM	Biospec/PO/04	Cross-Talk Between phytohormone and acetylcholine	Yashika Sarangle

Poster SESSION 4: Environmental and Plant Biotechnology			
SESSION CHAIR: Dr. Uttam Pal			
SESSION TIME: 2:30 PM-5:00 PM (DAY 2: 11th December 2025)			
Coordinator: Mr. Milan Karmakar			
Venue: B1 LG 2.1, B1 Building			
Link: meet.google.com/mee-ckun-cjp			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS Name
3:20 PM-3:30 PM	Biospec/PO-19	Bioluminescence in the light of climate change	Susmita Mukherjee, Rupam Singh, Debopam Dutta, Shruti Chattopadhyay, Asmita Pal Chowdhury, Pritha Majumder, Rohit Dasgupta, Sonali Paul
3:30 PM-3:40 PM	Biospec/PO-20	Tissue Engineering: A Field of Regenerative Medicine	Susmita Mukherjee, Saswata Bhattacharyay, Subham Sadhu, Naiwrita Dube, Ankan Debnath, Debapriyo Rath, Avik Kumar

			Barik, Sonali Paul
3:40 PM-3:50 PM	Biospec/PO-22	Potential of Hydroethanolic Extracts of <i>Asparagus racemosus</i> Willd. as an Effective Source of Medicinally Important Metabolites	Alisha Islam, Aliva Biswas, Noirita Sarkar, Milan Karmakar, Pratik Talukder
3:50 PM-4:00 PM	Biospec/PO-21	<i>Bacopa monnieri</i> (L.) Wettst.: A Potential Source of Compounds with Wound Healing Properties	Shubharthi Chatterjee, Riya Singh, Swastika Thapa, Milan Karmakar, Pratik Talukder
4:00 PM-4:10 PM	Biospec/PO-24	BIOFILMS: THE HIDDEN CAUSE OF ANTIMICROBIAL RESISTANCE	Shreya Chakraborty, Aishani Dasgupta, Sayani Roy, Lisa Jana, Salmoli Kangsabanik, Aritra Chakraborty, Dibyajit Lahiri, Moupriya Nag
4:10 PM-4:20 PM	Biospec/PO-25	The Dual Threat: Enzymes as Antimicrobial and Antibiofilm Agents	Priyanshu Das, Soumini Biswas, Hritisha Das, Utsab Saha, Disha Banerjee, Swastika Roychowdhury, Moupriya Nag, Dibyajit Lahiri

Day 3: 12th Dec 2025

EVENT DETAILS	TIMING
REGISTRATION [Buddha - AUDITORIUM]	8:30AM onwards
BREAKFAST [AC CAFETERIA, B1 BUILDING]	9:00 AM-10:00 AM
WORKSHOP by IIT Guwahati [Board Room, B3 Building] https://us06web.zoom.us/j/83691989274?pwd=487b0wnk2b3Wqs18f6ugeCx6DclzbZ.1 Passcode 359952 Meeting ID- 836 9198 9274	10:00 AM -1:00 PM
LUNCH	1:45 PM-2:45 PM
VALEDICTORY [FICCI – AUDITORIUM, B3 Building] Link: https://us06web.zoom.us/j/83691989274?pwd=487b0wnk2b3Wqs18f6ugeCx6DclzbZ.1 Passcode 359952 Meeting ID- 836 9198 9274	3:00 PM-4:00 PM

