

SCHEDULE OF ORAL PRESENTATIONS

There are four oral sessions in BIO3,

- 20th March 2025 | Oral Presentations-A: 12.25-13.15 hrs
- 20th March 2025 | Oral Presentations-B: 18.15- 19.20 hrs.
- 21st March | Oral Presentations – C: 16.50- 19.20
- 21st March| Oral Presentations-D: 12.55-14.05

ORAL SESSION-A: Date: 20th March 2025 | Time: 12.25-13.15

S.No.	Name	Organization	Title	Subtrack	Oral P No.	Time of start
1	Rohit Joshi	CSIR-IHBT	Unraveling Crop Resilience: Insights from Genomics, Metabolomics, AI and In Vitro Strategies for Stress Adaptation	Agri-Food	OPBT 1.1-01	12.25
2	Rishivar Kumar Sharma	NIMS University, Jaipur	Phytochemical screening and anticancer activity of medicinal plants on cancer cell line	Agri-Food	OPBT 1.1-02	12.32
3	Shreya Gupta	TIET	Endophytic Diaporthe citrichinensis as a new source to alleviate post-harvest fungal infections in Apple (Malus domestica Borkh.)	Agri-Food	OPBT 1.1-03	12.39
4	Nikita	NIFTEM, Kundli	Nanozyme Inspired Biodegradable Electrospun Packaging Material for the Shelf-Life Extension of Fresh Cut Apples	Agri-Food	OPBT 1.1-04	12.46
5	Radha Krishnana Kesavan	CIT Kokrajhar, Assam, India	Impact of Refractance window drying on the quality aspects of under-utilized fruit from North Eastern India	Agri-Food	OPBT 1.1-05	12.53
6	Shalini Gaur Rudra	IARI, New Delhi	Revamping the Fruit Candying Process to Meet 21st Century Demands	Agri-Food	OPBT 1.1-06	13.00

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7	Harinder Singh	Motilal Nehru NIT Allahabad	Physical Modification of Starches: Towards Sustainability in Food Industry	Agri-Food	OPBT 1.1-07	13.07
8	Prakash Kumar Nayak	CIT Kokrajhar, Assam, India	Effect of drying methods on the drying kinetics, bioactive compounds and antioxidant activity of Ou-Tenga Slices	Agri-Food	OPBT 1.1-08	13.14

ORAL SESSION-B: Date: 20th March 2025 | Time: 18.15-19.20 hrs

S.No.	Name	Organization	Title	Subtrack	Oral P no.	Time of Start
01	Avneet Pal Singh	Punjabi University	Diversity and Anticancer activity of polypores: a case study from Punjab	Biodiversity & Bioprospecting	OPBT 1.3-01	18.15
02	Arneet Grewal	Punjabi University, Patiala	Bioprospecting some common weeds from North West India	Biodiversity & Bioprospecting	OPBT 1.3-02	18.22
03	Nehal	TIET, Patiala	To elucidate the comparative effects of probiotic and post-biotic on overall diversity and metabolome of gut microbes	Biodiversity & Bioprospecting	OPBT 1.3-03	18.29
04	Tanya Joshi	Punjabi University	Diversity and Anti-fungal potency of mycoendophytes isolated from Dalbergia sisso leaves	Biodiversity & Bioprospecting	OPBT 1.3-04	18.36
05	Snehi Kinger	TIET, Patiala	The Role of Polyamines on the Production of Volatile Secondary Metabolite in <i>Coriandrum sativum</i> L.	Biodiversity & Bioprospecting	OPBT 1.3-05	18.43
06	Anvishka	TIET, Patiala	Optimization of podophyllotoxin production from <i>Dactylonectria torresensis</i> using response surface methodology	Biodiversity & Bioprospecting	OPBT 1.3-06	18.50
07	Harmeet Kaur	TIET, Patiala	Rice straw-derived Phenolic compounds: Optimization, Chemical characterization and evaluation of antioxidant activity	Biodiversity & Bioprospecting	OPBT 1.3-07	18.57
08	Shivangi Singh	NIMS University, Jaipur	Antibacterial Properties of Mustard and Mint: Phytochemical Screening and Comparative Study	Biodiversity & Bioprospecting	OPBT 1.3-08	19.04

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09	Nisha Tewari	TIET, Patiala	Differentially Altered Phytochemical Composition Contributes to the Pharmacological Conundrum of Oleander	Biodiversity & Bioprospecting	OPBT 1.3-09	19.11
10	Suraiya Anjum	NIMS University, Jaipur	Screening of antimicrobial potential of hydroalcoholic extract of plants against <i>Streptococcus mutans</i> and <i>Enterococcus faecalis</i>	Biodiversity & Bioprospecting	OPBT 1.3-10	19.18

ORAL SESSION-C: Date: 21st March 2025 | Time: 16.50-19.15 hrs

S.No.	Name	Organization	Title	Subtrack	Oral P no.	Time of Start
01	Vishal Srivastava	TIET, Patiala	Automated Detection of Diffuse Large B-Cell Lymphoma using a deep discriminative Learning model with calibrated attention maps	Biomaterials. Healthcare and Diagnostics	OPBM 2.3-01	16.50
02	Nitesh Priyadarshani	NABI	Naked Eye Detection of Pathogens Using Engineered Nanoformulations	Biomaterials. Healthcare and Diagnostics	OPBM 2.3-02	16.57
03	Shikha Gupta	IISER Mohali	Glutathione toxicity in yeast cells grown on respiratory substrates	Biomaterials. Healthcare and Diagnostics	OPBM 2.3-03	17.04
04	Bhavdeep Sharma	TIET, Patiala	Self-healing microbial concrete and its ultrasonic monitoring	Biomaterials. Healthcare and Diagnostics	OPBM 2.3-04	17.11
05	Jyoti	TIET, Patiala	Differentially Altered Hepatocellular Global Metabolome in Response to Endotoxemia and Lipotoxicity	Biomaterials. Healthcare and Diagnostics	OPBM 2.3-05	17.18
06	Dolly Garg*	NIMS University, Jaipur	Green Synthesis and Characterization of Metal Nanoparticles Using Plant Extracts: A Sustainable Approach for Drug Formulation	Biomaterials. Healthcare and Diagnostics	OPBM 2.3-06	17.25

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07	Jyoti Saini	Government Mohindra College, Patiala	Electrochemical Biosensor for the Detection of Methyl Parathion in Soil, Milk and Water Samples	Biomaterials. Healthcare and Diagnostics	OPBM 2.3-07	17.32
08	Pawandeep Kaur	TIET, Patiala	Polydopamine-Assisted Graphene Oxide Functionalization of Ti6Al4V based implants: In Vitro Evaluation of Biomineralization and Biofilm Formation	Biomaterials. Healthcare and Diagnostics	OPBM 2.3-08	17.39
09	Vishnu Priya	Chandigarh University	Automated Vitiligo Detection Using Machine Learning	Biomaterials. Healthcare and Diagnostics	OPBM 2.3-09	17.46
10	Shreya Sharma	TIET, Patiala	Bionanocomposites: A Sustainable Alternative to Conventional Plastics for Packaging Applications	Biomaterials. Healthcare and Diagnostics	OPBM 2.3-10	17.53
11	Arvind Kumar Yadav	SMVDU, Katra, J & K	Medical Advancements using TeraSense Technology	Biomaterials. Healthcare and Diagnostics	OPBM 2.3-11	18.00
12	Yashveer Singh	NIMS University, Jaipur	Estimation of cellulose and hemicellulose by using kans grass	Biofuels & Bioenergy	OPBE 3.2-01	18.07
13	Tanveer Singh Jhaji	TIET, Patiala	Hydrogen Enrichment of Biogas via Dry Reforming over Carbide based Ni-Mo/Al ₂ O ₃ Catalyst	Biofuels & Bioenergy	OPBE 3.2-02	18.14
14	Taqsh Singh Chopra*	TIET, Patiala	Antifungal Vaccines: Progress, Challenges and Future Prospects	Vaccines & Stem cell therapeutics	OPBM 2.2-01	18.21
15	Moni Kumari	SBS University, Dehradun	Unlocking Nature's Pharmacy: Efficient Extraction and Enhanced Production of β -glucan from Medicinal Mushrooms for Therapeutic Applications	Drug Discovery & Synthetic Biology	OPBM 2.1-01	18.28
16	Aarika Jain	JUIT, Wagnaghat	Unveiling the Multi-Target Therapeutic Potential of Bioactive Compounds of <i>Saccharomyces boulardii</i> : A Network Pharmacology Approach	Drug Discovery & Synthetic Biology	OPBM 2.1-02	18.35
17	Jasveer Kaur	Punjabi University, Patiala	A Multi-QSAR Approach to Identify the Favorable Promoieties for Prodrug Targeting LATI	Drug Discovery & Synthetic Biology	OPBM 2.1-03	18.42

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18	Samay Tirkey	PRSU, Raipur	Metabolic Profiling and Molecular Docking-Based Biological Potential Evaluation of <i>Phlebotomus portentosus</i> from Central India	Drug Discovery & Synthetic Biology	OPBM 2.1-04	18.49
19	Arijit Bhattacharya	Punjabi University, Patiala	Deciphering the Crucial Structural Features of Novel Fourth Generation EGFR Inhibitors to Overcome C797S-Mediated Resistance	Drug Discovery & Synthetic Biology	OPBM 2.1-05	18.56
20	Aditi Gupta	PRSU, Raipur	LC-MS profiling of Bioactive compounds from Endophytic fungus <i>Careya arborea</i>	Drug Discovery & Synthetic Biology	OPBM 2.1-06	19.03
21	Mohit Motiwale	Punjabi University, Patiala	Combined Machine Learning and Structure-Based Drug Design Approach to Identify Selective Acetylcholinesterase Inhibitors	Drug Discovery & Synthetic Biology	OPBM 2.1-07	19.10

ORAL SESSION-D: Date: 22nd March 2025 | Time: 12.55-14.05 hrs.

S.No.	Name	Organization	Title	Subtrack	Oral P no.	Time of Start
01	Rashmi Roy	Government Mohindra College, Patiala	Comparative study of complement receptor1 (CR1) protein profile among malaria infected and healthy individuals from various parts of Assam	Pharmagenomics	OPBT 1.2-01	12.55
02	Niharika Gautam	Government Mohindra College, Patiala	AI powered Genetic Mutation Detection App	Pharmagenomics	OPBT 1.2-02	13.02
03	Sachin Gupta	SKUAST- Jammu	Enoki Mushrooms: A Sustainable Superfood with Health and Economic Benefits	Sustainable Technologies	OPBE 3.3-01	13.09
04	Amandeep Singh	TIET, Patiala	Innovative Green Construction of Sustainable Photocatalytic Composites derived from Industrial Waste for Air Pollution Mitigation	Sustainable Technologies	OPBE 3.3-02	13.16
05	Harsh Tiwari*	NIMS University, Jaipur	Eco-Friendly Routes for Synthesis of Cu and Cu-Based Nanoparticles and Their Applications.	Sustainable Technologies	OPBE 3.3-03	13.23
06	Gagan Brar	Punjabi University	Optimization of different grains for spawn preparation of <i>Macrocybe gigantea</i> (Massee) Pegler and Lodge	Sustainable Technologies	OPBE 3.3-04	13.30

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07	Kanu	TIET, Patiala	Syzygium cumini Seed Starch: Extraction, Characterization, and Nanoreduction for Advanced Industrial Applications	Sustainable Technologies	OPBE3.3-05	13.37
08	Dwinder Sidhu	TIET, Patiala	Assessment of phytochemicals and metabolic pathways of catechin-producing endophytic fungi isolated from tea leaves	Sustainable Technologies	OPBE3.3-06	13.44
09	Megha Mourya	JUIT, Wagnaghat	Synthesis and characterization of a biodegradable sponge using keratin extracted from waste chicken feather biomass for effective removal of methylene blue dye from wastewater	Sustainable Technologies	OPBE3.3-07	13.51
10	Sanyogita Sharma	TIET, Patiala	Fungal-mediated biomineralization for improving the durability properties of cementitious materials.	Sustainable Technologies	OPBE3.3-08	13.58
11	Erina	TIET, Patiala	Synthesis and characterization of a biodegradable sponge using keratin extracted from waste chicken feather biomass for effective removal of methylene blue dye from wastewater	Sustainable Technologies	OPBE3.3-09	14.05