

SCHEDULE OF POSTER PRESENTATIONS

There are two poster sessions in BIO3, the first is on 20th March 2025 (15.30-16.15 hrs) while the second one is on 21st March 2025 (13.00-13.45 hrs.)

POSTER SESSION-I: Date: 20th March 2025 | Time: 15.30-16.15

S.No.	Name	Organization	Title	Poster No.	Subtrack
1	Nisha Chauhan	TIET, Patiala	In vitro assessment of drought stress in potato cultivars (<i>Solanum tuberosum</i> L.)	PPBT 1.1-01	Agri-Food
2	Pooja Sharma	BIT Mesra, Jaipur-Campus	Exploring the plant growth promoting Rhizobacterial communities associated with native members of Poaceae across a natural aridity gradient.	PPBT 1.1-02	Agri-Food
3	Jyoti Yadav	TIET, Patiala	Seed Health Diagnostics using Biopolymer based Carbon Quantum dots.	PPBT 1.1-03	Agri-Food
4	Ayushi Chauhan	Amity University	Interplay of nanoparticles and <i>Serendipita indica</i> : Enhancing growth and productivity in rice.	PPBT 1.1-04	Agri-Food
5	Tanya Bhatnagar	TIET, Patiala	Identification of the protein-lipid interactome of plasma membrane antiporter SOS1 in plant salt stress tolerance	PPBT 1.1-05	Agri-Food
6	Sanhita Banik	TIET, Patiala	Investigating HKT1 Protein-Protein and Protein-Lipid Interactions in Plants: Implications for Ion Homeostasis	PPBT 1.1-06	Agri-Food
7	Kungkamlu Newmei	TIET, Patiala	Prospects of phyco-nanotechnology in promoting sustainable agriculture: Recent advances and challenges	PPBT 1.1-07	Agri-Food
8	Navdeep Kaur	TIET, Patiala	Ultrasound Assisted Enzymatic Extraction of Moringa oleifera Seed Oil: Process Optimization and Determination of Nutritional Landscape	PPBT 1.1-08	Agri-Food
9	Darshanjot Kaur	TIET, Patiala	Sustainable Extraction of Betacyanin from Beetroot Pomace as Potential Biocolorant	PPBT 1.1-09	Agri-Food
10	Renu Chaudhary	TIET, Patiala	Molecular cloning and overexpression of plant 14-3-3 Protein in <i>Escherichia coli</i>	PPBT 1.1-10	Agri-Food
11	Sambit Majumdar	TIET, Patiala	Design of Membrane transporter-based polypeptide markers for the detection of salt tolerance in plants	PPBT 1.1-11	Agri-Food

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12	Alshifa Sheikh	TIET, Patiala	Modulation of film-forming properties of finger millet starch through various modification techniques	PPBT 1.1-12	Agri-Food
13	Jaanvi Bhakri	Punjabi University	Jasmonic Acid Signaling: Orchestrating Plant Growth, Development, and Defence Mechanisms	PPBT 1.1-13	Agri-Food
14	Vaishali Arora	MDU, Rohtak	In vitro study of bio-toxicity from nano-hydroxyapatite on seed germination of mung beans (<i>Vigna radiata</i>)	PPBT 1.1-14	Agri-Food
15	Sourav Dey	TIET, Patiala	Influence of nanofiller in the morphology of biopolymeric electrospun nanofiber	PPBT 1.1-15	Agri-Food
16	Yadveer Kaur	TIET, Patiala	Biochemical and Molecular Studies on Potato (<i>Solanum tuberosum</i> L.) Lipoxygenases (LOXs) and their potential applications in bakery industries	PPBT 1.1-16	Agri-Food
17	Moni Gupta	SKUAS, Jammu	<i>Cordyceps militaris</i> : mycelium and fruit body as nutraceutical	PPBT 1.1-17	Agri-Food
18	Sriharsha kancharla	ANGRA University, Guntur	Performance of Mungbean (<i>Vigna radiata</i> L.) cultivars for summer under different sowing windows	PPBT 1.1-18	Agri-Food
19	Jyothi Lakshmi Annavarapu	Amity University	Bioinformatic Analysis of Differentially expressed genes as prognostic markers in Glucocorticoid Resistance Multiple Myeloma	PPBT 1.2-01	Pharmagenomics
20	Rahul Sangwan	BIT Mesra, Jaipur-Campus	Environmental Factors and Gene Expression in Non-Smoker Lung Cancer: A Bio-informatics Analysis	PPBT 1.2-02	Pharmagenomics
21	Satinder Kaur	Central University Punjab	Targeting Ferroptosis in Doxorubicin-Induced Cardiotoxicity Using hiPSCs Cell Lines: A Network Pharmacological Approach with Puerarin	PPBT 1.2-03	Pharmagenomics
22	Anmol Bhatia	TIET, Patiala	Analyzing the role of genetic variants in microRNAs and its role as a modulator towards chronic obstructive pulmonary disease (COPD) susceptibility in North Indian Population	PPBT 1.2-04	Pharmagenomics
23	Laksheta Sree Rajagopal	TIET, Patiala	A Review on Health Benefits of Jackfruit (Leaf and Pulp)	PPBT 1.3-01	Biodiversity & Bio-prospecting
24	Shruti Soni	NIMS University, Jaipur	Screening of antimicrobial potential of hydroalcoholic extract of plants against <i>Streptococcus mutans</i> and <i>Enterococcus faecalis</i>	PPBT 1.3-02	Biodiversity & Bio-prospecting
25	Himanshu Sen	CSIR-IMTECH	Genomic and phenotypic diversity of <i>Staphylococcus</i> species isolated from Delhi Air	PPBT 1.3-03	Biodiversity & Bio-prospecting
26	Gursimran Singh	Punjabi University, Patiala	Biochemical evaluation of <i>Rosularia</i> species from Himachal Pradesh	PPBT 1.3-04	Biodiversity & Bio-prospecting

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27	Preeti	Punjabi University, Patiala	Diversity of psychedelic lamellate mushrooms from Punjab	PPBT 1.3-05	Biodiversity & Bio-prospecting
28	Aaryeca Rastogi	TIET, Patiala	Comparative Analysis of Exploratory Behavior in Amazon Sailfin Catfish During Day Versus Night	PPBT 1.3-06	Biodiversity & Bio-prospecting
29	Rasman Kaur	TIET, Patiala	Gut commensals induced modulation of the global metabolome of Caco-2 cells	PPBT 1.3-07	Biodiversity & Bio-prospecting
30	Rajneesh Kumar	Roundglass Foundation	Conservation Challenges and Multi-Location Trials of Native Tree Species in the Malwa Region of Punjab	PPBT 1.3-08	Biodiversity & Bio-prospecting
31	Divya Drishti	MMU, Mullana	Investigating the Relationship of Nanoparticles on Callus Induction and Genetic Transformation of <i>Bacopa monnieri</i>	PPBT 1.3-09	Biodiversity & Bio-prospecting
32	Himani Pal	Punjabi University	Preliminary phytochemical screening and comparison of extraction method from <i>Cyperus compressus</i> L.	PPBT 1.3-10	Biodiversity & Bio-prospecting
33	Esoh Rene Tanwieh	Punjabi University	Antimicrobial sensitivity on the seed extracts of <i>Combretum micranthum</i> (kinkheliba) on some bacteria of public health importance	PPBT 1.3-11	Biodiversity & Bio-prospecting
34	Gagandeep Singh	RIMT University	Antimicrobial Properties of Medicinal Plants from Lamiaceae family: A Comprehensive Review	PPBT 1.3-12	Biodiversity & Bio-prospecting
35	Medha Singh	MMU, Mullana	Isolation and Screening of Endophytic Fungi from <i>Cannabis sativum</i> : A New Strategy for Bioactive Compound Discovery	PPBT 1.3-13	Biodiversity & Bio-prospecting
36	Arju Chauhan	TIET, Patiala	Bioprospecting Green Microalgae and Cyanobacteria for Exopolysaccharide (EPS) Production: Metabolic Pathways, Process Optimization, and Potential Applications	PPBT 1.3-14	Biodiversity & Bio-prospecting
37	Pallabi	MMU, Mullana	Elucidating the interplay between micropropagation, callus induction, and nano-particle mediated secondary metabolite production in <i>Catharanthus roseus</i>	PPBT 1.3-15	Biodiversity & Bio-prospecting
38	Fatima Bhadra	TIET, Patiala	Antimicrobial potential of bioactive alkaloids isolated from endophytic fungi of <i>Argemone mexicana</i>	PPBT 1.3-16	Biodiversity & Bio-prospecting
39	Kiran Heer	CSIR-IMTECH	Growth of <i>Paracoccus aminovorans</i> is restricted by L-ascorbic acid (LA) and human gut isolate	PPBT 1.3-17	Biodiversity & Bio-prospecting
40	Sukhdeep Kaur	Punjabi University	<i>Lentinus tigrinus</i> : Wood Degrading and Antimicrobial Potential	PPBT 1.3-18	Biodiversity & Bio-prospecting

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41	Anjali Singhvi	TIET, Patiala	Microalgal diversity in large flowing wastewater drains	PPBT 1.3-19	Biodiversity & Bio-prospecting
42	Priya Prajapat	PSRU, Raipur	Bioprospecting of Mushroom: A Sustainable Resource for Pharmaceutical Industries	PPBT 1.3-20	Biodiversity & Bio-prospecting
43	Mehak Kaur	TERI	From Fungus to Fabric: Exploration of endophytic fungus Talaromyces CPEF04 for development of sustainable microbial textile dye	PPBE 3.1-01	Technologies & Entrepreneurship Innovations,
44	Poorvi Pratap	TIET, Patiala	OrthoHantaDB: A Specialized Database for Orthohantavirus Genomic Research	PPBE 3.1-02	Innovations, Technologies & Entrepreneurship
45	Nisha Kumar Pandit	Dr. BRA NIT, Jalandhar	Microbial biosurfactant production: isolation, screening, and prospective industrial application	PPBE 3.1-03	Innovations, Technologies & Entrepreneurship
46	Garima Goyal	TIET, patiala	Prevalence of anti-orthohantavirus antibodies in febrile patients in India	PPBM 2.2-01	Vaccine & Stem Cell Therapeutics
47	Ishita	TIET, Patiala	Computationally Engineered Multi-Epitope Peptide Targeting VP2 of Bluetongue Virus 3	PPBM 2.2-02	Vaccine & Stem Cell Therapeutics
48	Jasmine Kaur	Government Mohindra College, Patiala	An Eco-Friendly Approach for Production of Xylitol using Agricultural By-products	PPBE 3.2-01	Biofuels & Bioenergy
49	Sundeep Kaur	Dr. B.R.A. NIT, Jalandhar	Valorization of lignocellulosic biomass with a focus on mixed-feedstock biorefinery approach for xylitol production	PPBE 3.2-02	Biofuels & Bioenergy
50	Rajveer Singh Rathore	NIMS University, Jaipur	Estimation of cellulose and hemicellulose in stubble/Parali crops of North India	PPBE 3.2-03	Biofuels & Bioenergy
51	Kulvinder Bajwa	Chaudhary Devi Lal University,	Optimizing Fed-Batch Cultivation of Microalgae for Maximized Biomass, Lipids, and Bio-actives: The Role of Glucose, Mixotrophy, Salinity, and Nitrates."	PPBE 3.2-04	Biofuels & Bioenergy
52	Vishavdeep Kaur Dhaliwal	TIET, Patiala	Structural and optical properties of LaAl(1-x)Cu(x)O ₃ - δ (x=0, 1.25, 2.5) Perovskite Oxide	PPBE 3.2-05	Biofuels & Bioenergy
53	Almas Ashfaque	TIET, Patiala	Comparative evaluation of three mesophilic yeasts for xylitol production from lignocellulosic biomass derived sugars	PPBE 3.2-06	Biofuels & Bioenergy

POSTER SESSION-II: Date: 21st March 2025 | Time: 13.00-13.45

S.No.	Name	Organization	Title	Poster number	Theme
1	Surabhi	CURAJ, Ajmer	Optimization of biofilm formation by <i>Salipaludibacillus</i> sp. Strain CUR1, a haloalkaliphilic bacteria isolated from sambhar lake.	PPBE 3.3-01	Sustainable Biotechnologies
2	Yashika	TIET, Patiala	Self-healing of cementitious structures through biomineralization by fungal system	PPBE 3.3-02	Sustainable Biotechnologies
3	Shagun Ishara	TIET, Patiala	Effectiveness of ureolytic bacteria on soil strengthening via microbially induced carbonate precipitation	PPBE 3.3-03	Sustainable Biotechnologies
4	Erina	TIET, Patiala	Synthesis and Characterization of orange peel-based biocomposites for sustainable packaging and encapsulation applications	PPBE 3.3-04	Sustainable Biotechnologies
5	Gurbir Singh	Khalsa College, Amritsar	The Camel bioeconomy: sustaining lives with milk in rural Rajasthan of India	PPBE 3.3-05	Sustainable Biotechnologies
6	Ridham Mahajan	TIET, patiala	Sustainable Wastewater Treatment and Bioelectricity Generation Using Cost-Effective Microbial Fuel Cell	PPBE 3.3-06	Sustainable Biotechnologies
7	Arashdeep Singh	Roundglass Foundation	"Characterization Organic Waste: A Study on Sustainable Composting Practices in Rural Punjab"	PPBE 3.3-07	Sustainable Biotechnologies
8	Kushi Singh	TIET, Patiala	Leaf waste biomass briquettes	PPBE 3.3-08	Sustainable Biotechnologies
9	Priya Dhingra	TIET, Patiala	The potential of algae-derived hydrochar in promoting sustainable agriculture: Recent advances and challenges	PPBE 3.3-09	Sustainable Biotechnologies
10	Tuba Khan	JUIT, Wagnaghat	Revolutionizing E-Waste Management: Valorization and Bioleaching for Sustainable Recovery of Critical Metals	PPBE 3.3-10	Sustainable Biotechnologies
11	Shinar Athwal	TIET, Patiala	Synthesis and Characterization of Sawdust-derived cellulose nanocrystals for subsequent electrochemical applications	PPBE 3.3-11	Sustainable Biotechnologies
12	Punam Tamang	JUIT, Wagnaghat	Sustainable E-Waste bioremediation with Toxicity Tolerant Resistant Bacteria	PPBE 3.3-12	Sustainable Biotechnologies

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13	Swati Singh	TIET, Patiala	Unlocking the Nutrient Removal Potential of Pseudomonas aeruginosa strain NGNS-04 from sewage water: Microbial Characterization and Performance Analysis	PPBE 3.3-13	Sustainable Biotechnologies
14	Shivangi Gautam	TIET, Patiala	MICCP potential of halophilic ureolytic bacteria for civil engineering applications	PPBE 3.3-14	Sustainable Biotechnologies
15	Gunjan Dhupper	JUIT, Wajnaghat	Extraction of melanin from Aspergillus niger; a sustainable biopolymer for various applications	PPBE 3.3-15	Sustainable Biotechnologies
16	Ritika Sharma	TIET, Patiala	De novo design of lanthanides binding proteins for isolation	PPBE 3.3-16	Sustainable Biotechnologies
17	Santosh Kumar	TIET, Patiala	A comprehensive study on tunable structural, optical and mechanical properties of recycled windscreen glasses	PPBE 3.3-17	Sustainable Biotechnologies
18	Nandini	TIET, Patiala	Circular Bio-economy Perspectives on Kombucha Cellulose Production and Sustainable Applications	PPBE 3.3-18	Sustainable Biotechnologies
19	Deepanshi	TIET, Patiala	Enhancing Composting Efficiency and Quality with Microalgae and Biochar for Sustainable Agriculture	PPBE 3.3-19	Sustainable Biotechnologies
20	Deepesh	MMU, Mullana	Unlocking the Potential of Algae: Scalable Production of High-Value Nutraceuticals for Human Health	PPBE 3.3-20	Sustainable Biotechnologies
21	Arti Chamoli	SBS University, Dehradun	Transformation of Ammonia and Nitrite Using Ammonia-Oxidizing and Nitrite-Oxidizing Bacteria	PPBE 3.3-21	Sustainable Biotechnologies
22	Payal Guleria	Dr. B.R.A. NIT, Jalandhar	Mycelial-based Composites: Sustainable Materials from Agricultural byproducts	PPBE 3.3-22	Sustainable Biotechnologies
23	Rajneesh Kumar	Roundglass Foundation,	Exploring the potential of non-edible oilseed crop Jatropha (Jatropha curcas L.) germplasm, and the major challenges for sustainable biodiesel production	PPBE 3.3-23	Sustainable Biotechnologies
24	Bhawana Jangra	Chandigarh University	Rhizospheric Microbes from Cold Desert of Lahaul and Spiti: A Potential Solution for Salt Stress in Wheat	PPBE 3.3-24	Sustainable Biotechnologies
25	Simran Kaur Raniyal	TIET, Patiala	Lactic acid production from rice straw hydrolysate via thermotolerant bacillus strains: a sustainable approach to agro-waste valorization	PPBE 3.3-25	Sustainable Biotechnologies
26	Megha Mankoti	Dr. B.R.A. NIT, Jalandhar	Antibacterial and Antibiofilm activity of Sustainable Carbon dots from Lignocellulosic waste against biofilm producing bacteria	PPBE 3.3-26	Sustainable Biotechnologies

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27	Nandita Sharma	CSIR-IMTECH	Substitution of leucine by glutamate perturbs VopE localization to mitochondria: Lessons from yeast model system	PPBM 2.1-01	Drug Discovery & Synthetic Biology
28	Diksha Sharma	TIET, Patiala	From Prediction to Validation: Multi-Epitope Peptides in the Context of Haemorrhagic Fever with Renal Syndrome	PPBM 2.1-02	Drug Discovery & Synthetic Biology
29	Tanmayee Basu	TIET, Patiala	Discovery of Functionally Important Terpene-Synthesizing Biosynthetic Gene Clusters in Clitoria ternatea: Unlocking Its Medicinal Potential	PPBM 2.1-03	Drug Discovery & Synthetic Biology
30	Ankush Sharma	BIT Mesra, Jaipur-Campus	Phytochemical Targeting of MRSA: An In Silico Approach	PPBM 2.1-04	Drug Discovery & Synthetic Biology
31	Pallawi Singh	BIT Mesra, Jaipur-Campus	Unveiling the immunological link between autoimmune diseases and Alzheimer's disease	PPBM 2.1-05	Drug Discovery & Synthetic Biology
32	Mamta Bajiya	CURAJ, Ajmer	Identification of FDA-Approved Drugs with Stronger Quorum Sensing Disruption Than Triphenyl Compound in Pseudomonas aeruginosa	PPBM 2.1-06	Drug Discovery & Synthetic Biology
33	Manoj Kumar	Punjabi University, Patiala	Exploration of Small Molecules for the Management of Diabetic Nephropathy: Design, Synthesis and Biological Evaluation	PPBM 2.1-07	Drug Discovery & Synthetic Biology
34	Pushkar Bharti	TIET, Patiala	Bioprospecting endophytic fungi associated with Aegle marmelos for their tyrosinase inhibitory potential	PPBM 2.1-08	Drug Discovery & Synthetic Biology
35	Ankita Arora	TIET, Patiala	Exploration of fungal endophytes associated with Cinnamomum tamala for alpha- glucosidase inhibitors	PPBM 2.1-09	Drug Discovery & Synthetic Biology
36	Divjot	TIET, Patiala	Endophytic Fungi: A Source of Novel Bioactive Compounds and Their Therapeutic Potential	PPBM 2.1-11	Drug Discovery & Synthetic Biology
37	Yuvraj Kumar	Punjabi university patiala	Bayesian Classification, Molecular Docking and Free Energy-Inspired Molecular Dynamics Simulation to Explore the Critical Structural Characteristics of Thiazole Urea-Based DNA Gyr B Inhibitors	PPBM 2.1-12	Drug Discovery & Synthetic Biology
38	Pratima Roy	TIET, Patiala	Exploring the Structural Dynamics of IL-4: A Computational Approach	PPBM 2.1-13	Drug Discovery & Synthetic Biology
39	Bhavyacchi Dhawan	TIET, Patiala	Bioactive Compounds from Endophytic Fungi for the Treatment of Parkinsons Disease	PPBM 2.1-14	Drug Discovery & Synthetic Biology

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40	Shivani Chauhan	Dr. B.R.A. NIT, Jalandhar	Design, Synthesis, and Antimicrobial Evaluation of Rhamnolipid Derivatives: A Promising Approach to Combat Antimicrobial Resistance	PPBM 2.1-15	Drug Discovery & Synthetic Biology
41	Nishkarsh Jain	TIET, Patiala	Venom-Derived Peptides for Central Nervous System Disorders: Therapeutic Potential and Delivery Challenges	PPBM 2.1-16	Drug Discovery & Synthetic Biology
42	Sapna Swarup	CSIR-IMTECH	Comprehensive evaluation of LpxC inhibitors against XDR <i>A.baumannii</i> : Insights from virtual screening and experimental assays	PPBM 2.1-17	Drug Discovery & Synthetic Biology
43	Shradha Surin	CSIR-IMTECH	Identification of critical amino acids in the DNA binding domain of LuxO: Lessons from a constitutive active LuxO	PPBM 2.1-18	Drug Discovery & Synthetic Biology
44	Swati Bhati	Sharda University, Greater Noida	Thiosemicarbazone derivatives as potential inhibitors of VP4 in Rotavirus: An In-Silico Study	PPBM 2.1-19	Drug Discovery & Synthetic Biology
45	Vinni Kalra	Punjabi University Patiala	Validation of In Silico Strategies for Designing Rivastigmine-Polymer Nano Complexes for Intranasal Delivery: Prediction and Experimental Correlation	PPBM 2.3-01	Biomaterials, Healthcare & Diagnostics
46	Sahil Suleman	Punjabi University	Formulation development and in vitro evaluation of sustained release coated pellets of antidiabetic drug	PPBM 2.3-02	Biomaterials, Healthcare & Diagnostics
47	Vinod Sharma	SK Minerals and Additives Ltd.	Phytic acid: New Biobased Flame Retardant for Polymers	PPBM 2.3-03	Biomaterials, Healthcare & Diagnostics
48	Sukhmani Gandhi	TIET, Patiala	Hydrogel Colorimetric Ethylene Sensor Based On Palladium Chloride	PPBM 2.3-04	Biomaterials, Healthcare & Diagnostics
49	Anshu Bansal	Punjabi University, Patiala	HPTLC (High Performance Thin Layer Chromatography) -An efficient and robust technique	PPBM 2.3-05	Biomaterials, Healthcare & Diagnostics
50	Yuttasha	BIT Mesra, Jaipur-Campus	Understanding the role of bacterial pathogens and environmental factors in the incidence of pediatric diarrhoea	PPBM 2.3-06	Biomaterials, Healthcare & Diagnostics
51	Sahil Jain	Dr. D. Y. Patil University, Pune	Biochemical and neurophysiological effects of deficiency of the mitochondrial import protein TIMM50	PPBM 2.3-07	Biomaterials, Healthcare & Diagnostics

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52	Deepika Suneja	TIET, Patiala	Development of a multipolymeric system for controlled delivery of Coenzyme Q10: A comparative study	PPBM 2.3-08	Biomaterials, Healthcare & Diagnostics
53	Prakriti Sharda	TIET, Patiala	Synthesis and application of Terbium metal organic framework-based and Graphene Quantum Dots composite for sensing tetracycline	PPBM 2.3-09	Biomaterials, Healthcare & Diagnostics
54	Navneet Mattu	TIET, Patiala	MgO and K ₂ O effect on bioactivity of agro-food waste and conventional chemicals derived bioglasses for bone regeneration	PPBM 2.3-10	Biomaterials, Healthcare & Diagnostics
55	Nidhi Sikri	TIET, Patiala	In-situ encapsulation of Horseradish Peroxidase (HRP) into Metal-Organic Framework for enhanced enzymatic activity, stability, and reusability	PPBM 2.3-11	Biomaterials, Healthcare & Diagnostics
56	Diwakar Aggarwal	MM Engineering College	Investigating the Relationship of Nanoparticles on Callus Induction and Genetic Transformation of <i>Bacopa monnieri</i>	PPBM 2.3-12	Biomaterials, Healthcare & Diagnostics
57	Ravinder Agarwal	TIET, Patiala	A Non-Invasive Approach to Diabetes Detection: Breath-Based Glucose Monitoring Using Machine Learning	PPBM 2.3-13	Biomaterials, Healthcare & Diagnostics
58	Barnishikha Boruah	TIET, Patiala	Hydrogel in Theranostics-A Review	PPBM 2.3-14	Biomaterials, Healthcare & Diagnostics