

Poster Presentations

Venue: MAC Auditorium · 7 – 9 October 2026

At a Glance

116	3	7	1
Posters	Days	Themes	Venue

Session Overview

DAY	DATE & TIME	THEME	POSTER IDs	NO.
Day 1	Wednesday, 7 October 2026 5:00 – 6:00 PM	● Veda to Village: Science, Policy and Practice for Holistic Wellbeing	P-01 – P-10	10
		● Harnessing Habits to Heal: Evidence-Based Approaches to Wellness	P-11 – P-22	12
		● Nourish to Flourish: Leaving No One Behind	P-23 – P-33	11
Day 2	Thursday, 8 October 2026 5:00 – 6:00 PM	● Tiny Tools, Big Impact: Driving Sustainable Solutions through Biotechnology	P-34 – P-57	24
		● Reimagining Pharma: Next-Gen Solutions for Global Health	P-93 – P-116	24
Day 3	Friday, 9 October 2026 12:30 – 01:30 PM	● Advances in Biomedical Devices: Where Engineering Meets Healing	P-58 – P-76	19
		● Artificial Intelligence: The New Era of Healthcare	P-77 – P-92	16

Day 1

Wednesday, 7 October 2026

5:00 – 6:00 PM

MAC AUDITORIUM

Veda to Village: Science, Policy and Practice for Holistic Wellbeing · 10 posters

ID	POSTER TITLE	PRESENTER	INSTITUTION	CITY
P-01	Phytochemical Characterization, Fractionation, and Antioxidant Potential of Himalayan Stinging Nettle Foliage (<i>Urtica dioica</i> L.)	Shivani Bharti	CSIR-IHBT Palampur Himachal Pradesh	Palampur
P-02	Phytochemical Profile and Antioxidant Potential of <i>Lotus corniculatus</i> L. Foliage and Flower Fractions	Ashish Kumar	CSIR-IHBT, Palampur, Himachal Pradesh	Paonta Sahib
P-03	Determinants of Home Delivery, the Role of Traditional Birth Attendants, and Health System Gaps in a Tribal District of Meghalaya, India	Surabhi Pandey	The Hans Foundation	Gurugram
P-04	Holistic Care Using Medicinal Plants and Natural Products: An Evidence Based Review	Heena Khan	Era College of Pharmacy, Era University, Lucknow	Gonda
P-05	Spatio-Temporal dynamics of microplastic contaminants in riverine ecosystems and their implications for preventive health: an overview	Sakshi	Sardar Bhagwan Singh University	Dehradun
P-06	Integrating Traditional Knowledge with Water Safety Planning for Climate-Resilient Rural Water Security	Rohendra Singh	Uttarakhand Open University	Haldwani
P-07	Influence of geographic location on yield and chemical composition of <i>Skimmia laureola</i> leaves essential oil in Uttarakhand region	Yogita Yadav	Forest Research Institute, Dehradun	Dehradun
P-08	From Veda to Village: A Review of Integrated Agro-Health Traditions and Their Relevance to Sustainable Rural Development	Nagma Kousar	Alpine Institute of Management and Technology	Dehradun
P-09	Prevalence and Correlates of Depression and Anxiety Disorders in District Dehradun, Uttarakhand: A Community-Based Cross-Sectional Study	Deep Shikha	HIMS, SRHU	Dehradun
P-10	Sleep Quality and Academic Performance among School-Going Adolescents in Uttarakhand, India	Grace Madonna Singh	Himalayan College of Nursing, Swami Rama Himalayan University	Dehradun

Harnessing Habits to Heal: Evidence-Based Approaches to Wellness · 12 posters

ID	POSTER TITLE	PRESENTER	INSTITUTION	CITY
P-11	Unravelling the Phytochemistry of Underexplored Flower <i>Tupistra nutans</i> Wall. Ex Lindl (Nakima) from the Indian Himalayan Region	Meenakshi Sharma	CSIR-IHBT	Palampur
P-12	Ilaprazole Degradation: Product Identification, Pathway Elucidation and Toxicity Prediction	Mohd Shahnawaz Khan	JK Lakshmi Pat University	Jaipur
P-13	From Pigments to Nutrition: Exploring Bioactive Compounds in Colored Rice	Shweta Suri	UPES	Dehradun
P-14	Studies on Population Status, Habitat Assessment and Threat Categorization of <i>Astavarga</i> Herb <i>Polygonatum cirrhifolium</i> Royle from Kumaun Region of Uttarakhand	Nidhi Lohani	Alpine Institute of Management and Technology, Dehradun	Dehradun
P-15	Scanning Electron Microscopy-Based Quantification of Biofilm in Chronic Diabetic Wound Infections and Its Association with Antimicrobial Resistance	Bidisha Saha	All India Institute of Medical Sciences, Rishikesh	Rishikesh
P-16	Association Between Types of Febrile Seizure and Focus of infection with Characterization of spectrum of Respiratory in these Children with Febrile Seizure	Anjali	AIIMS Rishikesh	Rishikesh
P-17	Awareness of Insulin Resistance among Reproductive-Aged Women	Kuhu Mandhyani	UPES	Dehradun
P-18	Awareness of Insulin Resistance among Reproductive-Aged Women	Mahek Karmur	UPES	Dehradun
P-19	Diabetes Mellitus - a chasm between awareness and action	Tanvi Singh	UPES	Dehradun
P-20	From Pigments to Nutrition: Exploring Bioactive Compounds in Colored Rice	Amisha Vishnoi	UPES	Dehradun
P-21	From Pigments to Nutrition: Exploring Bioactive Compounds in Colored Rice	Gulnaaz Kaur	UPES	Dehradun
P-22	Decoding the Potential combinatorial effect of <i>Nardostachys jatamansi</i> , <i>Withania somnifera</i> , <i>Bacopa monnieri</i> , and <i>Rauvolfia serpentina</i> against Schizophrenia: A Multi-Target Systems Pharmacology and Molecular Docking Investigation	Anjali Tripathi	UPES	Dehradun

Nourish to Flourish: Leaving No One Behind · 11 posters

ID	POSTER TITLE	PRESENTER	INSTITUTION	CITY
P-23	Preventive Health-Oriented Development and Characterization of Dysphagia Diets Using Surface Electromyography	Sarvesh Rustagi	Dev Bhoomi Uttarakhand University	Dehradun
P-24	Graphene Nanodots-Enabled Electrochemical Biosensor for the Sensitive Detection of Chlorpyrifos towards Sustainable Detection in Agro-Systems	Anjali Sharma	UPES	Dehradun
P-25	AI Based Personalised Nutrition Recommender System for Regional Indian Cuisines and Health Profiles	Anurag Yadav	UPES	Dehradun
P-26	Unlocking the Phytochemical Potential of Pomegranate Peel Waste through Solvent Optimization and LC-QTOF-MS/MS Profiling	Aman Lakhera	UPES	Dehradun
P-27	Anthocyanin-Integrated Biodegradable Films for Intelligent Food Packaging	Garima	UPES	Dehradun
P-28	Unveiling Rice bean: A Nutritional Gem for Health and Protein Innovation	Trishali Chauhan	UPES	Dehradun
P-29	Chemical composition, physicochemical analysis, and technological properties of selected wild Himalayan berry powder	Garima Khantwal	UPES	Dehradun
P-30	Wild Himalayan Mushrooms: A Sustainable Source of Bioactive Compounds for Nutrition, Functional Foods, and Global Health	Pooja Panthari	UPES	Dehradun
P-31	Quantitative Determination of Potentially Toxic Metals in Commercial Eye Cosmetics Marketed in India Using Atomic Absorption Spectrometry	Gooncha Chhibber	National Forensic Science University	Delhi
P-32	Chemical Profiling and Forensic Characterization of components present in Commercial Mu'assel (Shisha) from Indian Markets by Triple Quadrupole GC-MS/MS	Rohit Kanojia	National Forensic Science University	Delhi
P-33	Cannabis Cultivation, Legal Status, Narcotic Constituents And Therapeutic Properties: An Indian Context	Jyotsnessh Chauhan	National Forensic Science University	Delhi

Day 2

Thursday, 8 October 2026

5:00 – 6:00 PM

MAC AUDITORIUM

Tiny Tools, Big Impact: Driving Sustainable Solutions through Biotechnology · 24

posters

ID	POSTER TITLE	PRESENTER	INSTITUTION	CITY
P-34	Differentially capped gold nanoparticles based nanosensor array for multiplex detection of pesticides	Sonali Priyadarshini	UPES	Dehradun
P-35	Rewiring Bacterial Signaling Pathways through Proximity-Induced Post-Translational Modifications of Response Regulators using Molecular Glues	Saumya Chhabra	UPES	Dehradun
P-36	Assessing Cr(VI) penetration in Agri Produce from Polluted Waters using Solanum tuberosum as Model Crop towards Food Safety	Agantuk Saha	Plaksha University	Mohali
P-37	Valorization of canola oil cake for co-production of polyhydroxyalkanoate and biosurfactant for the development of a biodegradable and antibacterial biomaterial	Siddhi Shuklendu Joshi	Manipal University Jaipur	Jaipur
P-38	Overcoming Chemoresistance A Review of TME Activated Endoperoxide Curcumin Nanocarriers for Synchronized Ferroptosis	Archit Akhil	Era College of Pharmacy, Era University	Lucknow
P-39	Multi-omics insight into bioremediation of As(V) by Klebsiella planticola CSG1 isolated from contaminated aquatic environments.	Charu Sharma	Swami Rama Himalayan University	Dehradun
P-40	Hospital Wastewater-Derived Microalgae for Antibiotic and Heavy Metal Removal: A Sustainable Approach to Healthcare Wastewater Management	Geeta Bhandari	Swami Rama Himalayan University, Dehradun	Dehradun
P-41	Unlocking the Phytochemical Potential of Pomegranate Peel Waste through Solvent Optimization and LC-QTOF-MS/MS Profiling	Aman Lakhera	UPES	Dehradun
P-42	Correlation between the Visual EEG Confusion Assessment Method Severity (VE-CAM-S) score at baseline and functional outcome in children with acute encephalitic syndrome: a prospective observational study	Deepak Kumar	AIIMS Rishikesh	Rishikesh
P-43	Isolation and screening of biosurfactants produced by extremophilic microorganisms from Uttarakhand regions for applications in food industry	Aditya Pandey	UPES	Dehradun

ID	POSTER TITLE	PRESENTER	INSTITUTION	CITY
P-44	Valorization of Agro-Food Waste into Functional Materials for Sustainable Active Food Packaging	Navshikha Pandey	UPES	Dehradun
P-45	Exploring gold nanoparticle based colorimetric nanosensor arrays for detection of antibiotics	Atharv Pethe	UPES	Dehradun
P-46	Thermophilic Bacteria from Hot Springs as Sustainable Bioleaching agents for Red Mud	Amisha	UPES	Dehradun
P-47	Thermophilic Bacteria from Hot Springs as Sustainable Bioleaching agents for Red Mud	Suvendu Manna	UPES	Dehradun
P-48	Magnetic nanoparticles: Potential emerging method for extraction of microplastic	Prantik Basak	UPES	Dehradun
P-49	Isolation and Assessment of fungi derived from wastewater for sustainable energy generation	Nishtha Sah	UPES	Dehradun
P-50	Evaluation Of Antibacterial Potential Of Matricaria Recutita (Chamomile) Against Pathogenic Bacteria	Ashima Solanki	UPES	Dehradun
P-51	An extraction process associated with abating degradation to improve yield as well as reaction time for Lutein from marigold flowers -A research.	Mahabeer Singh	UPES	Dehradun
P-52	Citrus Processing Waste as a Multifunctional Bio-Resource: Green Extraction, Sustainable Packaging Films and Prebiotic-Probiotic Applications	Manu Yadav	UPES	Dehradun
P-53	Deciphering the potential of electroactive microflora for mitigating emerging contaminants in bioelectrochemical systems	Tarunender Pratap Sambyal	UPES	Dehradun
P-54	Role of Zebrafish	Kiah Gupta	UPES	Dehradun
P-55	Multifunctional Folic Acid Functionalized Nanocarriers for Targeted Breast Cancer Therapy: In Silico NRF2 DNA-Binding Inhibition and Hydrogen Gas Adsorption	Mridul Sahu	UPES	Dehradun
P-56	Integrated Wastewater Treatment Using Conventional Treatment Followed by Electro-Oxidation: A Sustainable Approach for Enhanced Pollutant Removal	Aum Garg	UPES	Dehradun
P-57	Prediction of the thermostable nature of keratinase from Bacillus paralicheniformis SuvM through computational analysis	Manoj Kumar	UPES	Dehradun

Reimagining Pharma: Next-Gen Solutions for Global Health · 24 posters

ID	POSTER TITLE	PRESENTER	INSTITUTION	CITY
P-93	Mapping druggable hotspots at the human KRAS:SOS1 interface through integrative sequence and structural bioinformatics	Kritika Chauhan	UPES	Dehradun
P-94	Molecular Basis of Reproductive Failure: Advances in Female and Male Infertility Research	Komal Kumari	UPES	Dehradun
P-95	Hyaluronic Acid Functionalized Chitosan Nanoparticles Encapsulating Mogrol/Mogroside-V_Melphalan Conjugates for CD44 Targeted Ovarian Cancer Delivery	Meghna Patial	UPES	Dehradun
P-96	Structure-Based Rational Design and Computational Evaluation of Dual PDE1B/PDE10A Inhibitors as Potential Therapeutics for Schizophrenia	Priya	UPES	Dehradun
P-97	RNA Based Therapeutics	Aprajita Saroj	UPES	Dehradun
P-98	Designer babies: Scientific progress or Social standard?	Mahika Katiyar	University of Petroleum and Energy Studies	Dehradun
P-99	Structural and Functional Annotation of Hypothetical proteins of Klebsiella pneumoniae NTUH K-2044 to Identify Potential Drug Targets	Tejpal Sharma	Manipal University Jaipur	Jaipur
P-100	CRISPR-Cas9 Engineered Medicinal Plants as Molecular Farming Platforms for Next-Generation Pharmaceutical Production	Paarthiban K	Alpine Institute of Management and Technology	Dehradun
P-101	Drug-Facilitated Sexual Assault: Chemical Profiles, Forensic Detection Challenges, and Nano Enabled Biosensor Solutions	Reha Ahuja	UPES	Dehradun
P-102	Anandamide in Health and Disease: Pathophysiological Significance and Advances in Detection	Vibhu Dubey	UPES	Dehradun
P-103	miR-193b as a Tumor Suppressor and Prognostic Biomarker in Acute Myeloid Leukemia: Implications for Leukemic Stem Cell Behavior and Chemoresistance.	Garima Bhatt	UPES	Dehradun
P-104	Overcoming the Limitations of Topical Steroids: A Proposed Novel Electrospun Platform for Psoriasis treatment	Pranjal Pratap Singh	UPES	Dehradun
P-105	From Daily Burden To Weekly Ease: A Breakthrough In Diabetes Care	Aadya Mishra	UPES	Dehradun

ID	POSTER TITLE	PRESENTER	INSTITUTION	CITY
P-106	From Daily Burden To Weekly Ease: A Breakthrough In Diabetes Care	Mantasha Salahuddin	UPES	Dehradun
P-107	Proximity-induced Targeted Orthogonal Post Translational Modification (oPTM) as a Novel Therapeutic Approach using Phospholyase	Vaishali	UPES	Dehradun
P-108	Rational Design of New Tryptanthrin Derivatives as EGFR Kinase Inhibitor: An In-silico Approach	Shivani Rawat	UPES	Dehradun
P-109	Rational Design of New Tryptanthrin Derivatives as EGFR Kinase Inhibitor: An In-silico Approach	Kapil Kumar	UPES	Dehradun
P-110	Discovery of Natural Cholinesterase Inhibitors via Integrated Computational Studies using Labdane-Related Diterpenoids-based Pharmacophore Model and in-vitro studies	Rinku Rautela	UPES	Dehradun
P-111	Identification of Oxidative Phosphorylation Associated Metabolic Genes and Their Role in Pancreatic Ductal Adenocarcinoma Progression	Mohd Saad	UPES	Dehradun
P-112	α 7-Nicotinic Acetylcholine Receptor as an Emerging Target for Drug Repurposing in Ulcerative Colitis	Kritika Saini	UPES	Dehradun
P-113	Phytochemical Characterisation and Antibacterial Evaluation of Tephrosia maxima L. Root Extract Against Helicobacter pylori and Staphylococcus aureus	Nayyar Asim	UPES	Dehradun
P-114	Drug Repurposing in Experimental Ulcerative Colitis: Current Landscape, Knowledge Gaps, and Future Opportunities	Ayushi Khali	UPES	Dehradun
P-115	Bioassay-Guided Identification of an Anticancer Fraction Against Oral Squamous Cell Carcinoma	Poonam Joshi	UPES	Dehradun
P-116	An environmentally friendly RP-HPLC approach for estimating gliotoxin: A comprehensive evaluation of greenness, blueness, and whiteness	Ananya Bishnoi	UPES	Dehradun

Day 3

Friday, 9 October 2026

12:30 – 01:30 PM

MAC AUDITORIUM

Advances in Biomedical Devices: Where Engineering Meets Healing · 19 posters

ID	POSTER TITLE	PRESENTER	INSTITUTION	CITY
P-58	Biomechanical Interventions for High-Heel-Associated Musculoskeletal Pain: A Literature Review	Riddhima Tripathi	UPES	Dehradun
P-59	Fractal dimension define the electrochemical performance of the MWCNT-modified electrodes	Afrin Parvin	Amity University Rajasthan	Jaipur
P-60	Nanoparticle enhanced colorimetric paper-based biochip for precision breast cancer prognosis	Sakshi Seth	Yenepoya (Deemed to be University)	Mangalore
P-61	From Visual Inspection to Molecular Contrast A Review of Emerging Optical Imaging and Artificial Intelligence in Cervical Cancer Screening	Shatakshi Sahu	Era Institute of Allied Health Sciences and Research	Lucknow
P-62	Microcarrier-Based Mesenchymal Stromal Cells for non healing ulcers.	Uvika Tripathi	AIIMS	Rishikesh
P-63	Development of a MoS ₂ -Modified Screen-Printed Carbon Electrode for Electrochemical Determination of Resorcinol	Anju	Delhi University	Delhi
P-64	Design and Development of an AI-Enabled Wearable Smart Glove for Real-Time American Sign Language Recognition	Mudit	UPES	Dehradun
P-65	Design and Development of an AI-Enabled Wearable Smart Glove for Real-Time American Sign Language Recognition	Biraj Pradhan	UPES	Dehradun
P-66	Electrochemical Sensing of Catecholamines by NiO/MXene (Ti ₃ C ₂ T _x): A Potential Technique for Multiple Non-Communicable Diseases (NCDs) Detection	Anamika Singh	Plaksha University	Ajit Singh Nagar
P-67	A step towards establishing the electrochemical detection of Bosutinib using Engineered Composites based on Ti ₃ C ₂ T _x	Ayushi Prajapat	Atma Ram Sanatan Dharma College	New Delhi
P-68	Experimental and Computational investigation of ZnO/Graphene Hybrid Structures for Electrochemical Detection of Ethanol in low concentration	Hitesh Gahlawat	University of Delhi	Sonipat

ID	POSTER TITLE	PRESENTER	INSTITUTION	CITY
P-69	Synthesis and Characterization of Transition Metal Dichalcogenides for Biomedical Applications	Animesh Pal	UPES	Dehradun
P-70	A Portable LIG Chip for On-Site Surveillance of Metal-Driven AMR Co-Selection in Water	Prerna Sutar	UPES	Dehradun
P-71	Clinical validation of Pd-Ti ₃ C ₂ T _x composite based point-of-care biosensor for luteinizing hormone testing against COBAS 600	Deshna Sharma	UPES	Dehradun
P-72	AR-Assisted Bystander CPR Mat for Medically Underserved Areas: A Low-Cost and Portable Way to Make Basic Life Support Training More Accessible.	Aastha Singh	UPES	Dehradun
P-73	Physicochemical Characterization and Antimicrobial Evaluation of Green Synthesized Apple Pectin-Capped Silver Nanoparticles	Akash Dhiman	UPES	Dehradun
P-74	Impact of molecularly imprinted polymers on graphene oxide-coated screen-printed electrodes for selective immune-sensing of gastric cancer-causing bacteria Helicobacter pylori	Akshita Singla	UPES	Dehradun
P-75	Prolactin-Induced Protein Imprinted Polymer-Based Targeted Electrochemical Detection Of Early Keratoconus	Deeksha Nautiyal	UPES	Dehradun
P-76	Electrochemical Detection of Cardiac Troponin I using Atomically Thin Borophene-Engineered In-House Flexible Screen-Printed Electrodes for the Early Diagnosis of Acute Myocardial Infarction	Sumit Kumar Yadav	UPES	Dehradun

Artificial Intelligence: The New Era of Healthcare · 16 posters

ID	POSTER TITLE	PRESENTER	INSTITUTION	CITY
P-77	An Automated Multi-Omics Machine Learning Pipeline for Aedes aegypti Vector-Control Therapeutics	Mayank Singh	UPES	Dehradun
P-78	A p-Value Weighted Ensemble Machine Learning Framework for Polygenic Association	Arkopravo Paul	UPES	Dehradun
P-79	Can ChatGPT Be Trusted for Nutrition Advice?	Priya Tanu Tuteja	UPES	Dehradun
P-80	Can ChatGPT Be Trusted for Nutrition Advice?	Khyati Rana	UPES	Dehradun
P-81	Integrative Ecological Profiling Framework Characterizes Intratumoral Microbial Signatures in Lung Adenocarcinoma	Shayantan Savarnaya	UPES	MAU

ID	POSTER TITLE	PRESENTER	INSTITUTION	CITY
P-82	An In Silico Approach for Epitope Prediction of Enolase Protein from <i>Mucor circinelloides</i>	Pankaj Chandley	Manipal University	Jaipur
P-83	A Random Forest-Based Predictive Model for Vitamin D Deficiency Classification Using Age and Gender: A Preliminary Study	Nitin Dutt Chaturvedi	IIT	Patna
P-84	In silico identification of Putative Antimicrobial Peptides from <i>Clogmia albipunctata</i>	Aditya Mulukutla	UPES	Dehradun
P-85	Translating NMF-Based Anomaly Detection from CMS Pixel Detector Data to Medical Imaging	Paridhi Thakur	UPES	Dehradun
P-86	AI-Guided Discovery and Computational Prioritization of Novel Antimicrobial Peptides Against Carbapenem-Resistant <i>Pseudomonas aeruginosa</i>	Palak Mittal	UPES	Dehradun
P-87	AI-Guided Discovery and Computational Prioritization of Novel Antimicrobial Peptides Against Carbapenem-Resistant <i>Pseudomonas aeruginosa</i>	Pracheta Singh	UPES	Dehradun
P-88	AR-Assisted Bystander CPR Mat for Medically Underserved Areas: A Low-Cost and Portable Way to Make Basic Life Support Training More Accessible	Manya Kalra	UPES	Dehradun
P-89	A Systems-Level Metabolomics and Machine Learning Approach for Early and Predictive Detection of Uropathogens in Urinary Tract Infections	Keshav Agarwal	UPES	Dehradun
P-90	AI-Driven Transfer Learning for Polygenic Risk Scores to Mitigate Ancestry Bias in South Asian Populations	Dishita Debajit Dutta	UPES	Dehradun
P-91	Integrative Pan-Cancer Multi-Omics Framework for Explainable Cancer Drug Response Prediction	Dhananjay Sharma	UPES	Dehradun
P-92	Lead optimization for the identification of new benzoxazine analogues as dual PDE1B/PDE10A inhibitors for Schizophrenia: A computational approach using classical and steered MD simulations	Jaya Rautela	UPES	Dehradun