

The National Academy of Sciences, India (NASI) (Abstracts Accepted-Biological Sciences)

General Instructions for Presentations

Oral Presentation: Maximum allotted time - 15 minutes (including discussions).

Poster Presentation: Kindly bring a single poster with a maximum size: 3 ft × 3 ft for presenting your research work during the session.

Abstract No.	Name	University/Intitute	Title	Mode of Presentation
B -1	Abhay Kumar Yadav	Department of Agronomy, Shri Durga Ji Post Graduate College, Chandeshwar, Azamgarh	<i>Effects of Integrated Plant Nutrient Supply System (IPNS) on Growth, Yield And Performance of Rice (Oryza Sativa L.)</i>	Poster
B - 2	Abhishek	Department of Biochemistry, Faculty of Science, University of Allahabad, Prayagraj	<i>In Silico Identification of Novel Acetylcholinesterase Inhibitors for Alzheimer's Disease Using Integrated Docking, ADMET, and Molecular Dynamics Approaches</i>	Poster
B -3	Abhishek Kumar	Department of Biochemistry, University of Allahabad, Prayagraj	<i>Mitochondrial and Neurochemical Alterations in the Hippocampus Following Combined Exposure to Cadmium and Lead in Rats</i>	Poster
B -4	Abhishek Maurya	Department of Soil Science and Agricultural Chemistry, Banda University of Agriculture and Technology, Banda	<i>Using the Rice Crop Manager tool to manage nutrients to improve fertilizer use efficiency</i>	Poster
B -5	Akanksha Singh	Department of Biochemistry, University of Allahabad, Prayagraj	<i>Curcumin induces autophagy to alleviate oxidative stress and inflammation, promoting neuroprotection in senescent rats</i>	Poster
B -6	Akshay Shukla	Department of Biological Sciences, Faculty of Science & Environment Mahatma Gandhi Chittrakoot Gramodaya Vishwavidyalaya, Chittrakoot (MP)	<i>Identification of Japanese Encephalitis Virus RNA-Dependent RNA Polymerase Inhibitor using an Integrated Machine Learning and Structural Dynamics Approach</i>	Poster
B -7	Amit Kumar Bundela	Institute of Environment & Sustainable Development, BHU, Varanasi	<i>Nutritional and Biocultural Analysis of Pueraria tuberosa (Roxb. ex Wild.) DC.: A Wild and Lesser Utilized Edible for Dietary Diversification</i>	Poster
B -8	Amit Kumar Singh	Department of Biochemistry, University of Allahabad, Prayagraj	<i>Neuroprotective role of Dietary phenolic acid chlorogenic acid against arsenite-induced oxidative damage via modulation of Redox homeostasis and inflammation</i>	Poster
B -9	Amit Kumar Singh	Department of Botany, BMK Govt. Girls College, Balod, (Hem Chand yadav University Durg) Chhattisgarh	<i>Lipidomic Profiling of Polar to Neutral Lipid Transformation during Nutrient Starvation: Insights for Biofuel Synthesis via Fluorescence Spectroscopy and GC-MS</i>	Poster
B -10	Amita Pandey	Department of Botany, CMP Degree College, University of Allahabad, Prayagraj,	<i>Microalgae: A Game-Changer in the Fight against Environmental Degradation</i>	Poster
B -11	Anita Singh	Department of Botany, C.M.P. Degree College, University of Allahabad, Prayagraj	<i>Microbial Bioremediation Potential of Selected Bacterial Isolates Against Metsulfuron-methyl in Agricultural Soil</i>	Poster

B -12	Anjali Chaurasia	Shri Murlī Manohar Town Degree College, Ballia	<i>Drought-Resilient Agriculture for Cognitive Nutrition and Mental Health in Ballia District</i>	Poster
B -13	Ankita Dwivedi	Department of Zoology, Dr. Harisingh Gour Vishwavidyalaya (A Central University), Sagar	<i>Neuroprotective Potential of Flavonoid against Cigarette Smoke Extract- Induced Neurodegeneration and Cognitive Decline in Zebrafish</i>	Poster
B -14	Anshika Singh	Department of Agri-Business Management, Chandra Shekhar Azad University of Agriculture, Kanpur	<i>Environmental models in the food chain: A review</i>	Poster
B -15	Anurag Rajput	Department of Soil Science and Agricultural Chemistry, Banda University of Agriculture and Technology, Banda	<i>Soil organic carbon dynamics in relation to soil–food web–human health continuum.</i>	Poster
B -16	Anurag Singh	Department of Soil Science and Agricultural Chemistry, Banda University of Agriculture & Technology, Banda	<i>Application of Nitrogenous fertilizers using SSNM tools in Rice and Wheat crop to improve the food security chain</i>	Poster
B -17	Ashish Singh	VYT, Govt. PG College, Durg, Chhattisgarh	<i>Network Pharmacology and Molecular Docking Reveal the Therapeutic Mechanisms of Tripterygium wilfordii – Trichosanthes kirilowii Decoction in Diabetic Kidney Disease</i>	Poster
B -18	Astha Srivastava	Department of Botany, CMP Degree College, University of Allahabad, Prayagraj	<i>Survey of Algal Flora In Selected Habitats of Pratapgarh And Their Prospective Uses</i>	Poster
B -19	Atindra Kumar Pandey	Biochemistry & NCD Division, National Center for Disease Control (NCDC), Delhi	<i>Artificial intelligence approaches to early identification and risk evaluation of non-communicable diseases (NCDs)</i>	Poster
B -20	Bhagyajyoti Baral	Department of Botany, Utkal University, VaniVihar, Bhubaneswar	<i>Genome-Wide Association Studies in Cyanobacteria: Uncovering Traits and Functional Genomics in Nostoc</i>	Poster
B -21	Bhawana Bissa	Department of Biochemistry, Central University of Rajasthan, Rajasthan	<i>Decoding the subunit code of AMPK in Glioblastoma</i>	Poster
B -22	Bilquis	Department of Human Development and Family Studies, College of Community Science, ANGRAU, Lam, Guntur, Andhra Pradesh.	<i>Effect of the Menopause transition on Cognitive Performance in Midlife Women</i>	Poster
B -23	Brajesh K. Dwivedi	Department of Applied Science & Humanities- Environmental Science KMCL University, Lucknow	<i>Integrating Water footprint assessment ((WFA) Hydrological approach in down stream river terrain</i>	Poster
B -24	Chandan Tripathi	Department of Sociology, Raja Shankar Shah University, Chhindwara, MP	<i>Study on relevance of Ayurveda in modern occupational health</i>	Poster
B -25	Chandra Mauli Mishra	Department of Sociology, Raja Shankar Shah University, Chhindwara, MP	<i>Importance of Indian Medicinal Plants to Cure Occupational Diseases</i>	Poster
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B -28	Vipin Kumar Gounda	Dept. of Biotechnology, Dr. Harisingh Gour University, Sagar	<i>Fabrication of Terpeneol-Loaded Solid Lipid Nanoparticles and Their Antimicrobial Efficacy Against Pathogenic Microbes</i>	Poster
B -29	Debabrata Dash	Biochemistry Laboratory, Department of Zoology Dr. Harisingh Gour Vishwavidyalaya, Sagar	<i>Neuroprotective potential of Natrum sulphuricum and Natrum phosphoricum in alcohol- and acetaminophen-induced brain damage via modulation of the unfolded protein response</i>	Oral
B -30	Debashree Pradhan	Department of Botany, Udayanath Autonomous College of Science & Technology, Adaspur, Cuttack	<i>Plant disease resistance genes: Current insights & future perspectives</i>	Poster
B -31	Devesh Tewari	Department of Pharmacognosy and Phytochemistry, School of Pharmaceutical Sciences, Delhi Pharmaceutical Sciences and Research University, New Delhi	<i>Formulation and Bioanalytical Evaluation of Xanthohumol-Loaded Butyrosomes Utilizing a Novel Indigenous Lipid from <i>Diploknema butyracea</i> (Roxb.) H.J. Lam</i>	Poster
B -32	Divya Gupta	School of Studies in Zoology, Jiwaji University, Gwalior	<i>Hesperidin Attenuates Acrylamide-Induced Testicular Dysfunction in Rats: Insights from Molecular Docking, Biochemical, and Histopathological Evaluations</i>	Poster
B -33	Garima Stephen	Department of Zoology, School of Biological Sciences, Dr Harisingh Gour Vishwavidyalaya (A Central University), Sagar	<i>Decoding Soil Fauna Response to Polyurethane Microplastics with Earthworms as Bioindicator</i>	Poster
B -34	Gautam Kumar	Department of Chemistry, Ewing Christian College, Prayagraj	<i>Effects of Cadmium- Contaminated Soil on Morphological, Physiological, and ROS Responses in Tomato Plants</i>	Poster
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B -36	H. Akhila	Department of Human Development and Family Studies, ANGRAU, Lam, Guntur, Andhra Pradesh	<i>A Study on Smartphone Addiction and Personality Traits Among Young Adults</i>	Poster
B -37	Hadiya Husain	Department of Zoology, Lucknow University, Lucknow	<i>"Luteolin Protects Against Tin Oxide Nanoparticle-Induced Hepatic Injury by Modulating ROS and NF-κB Signaling"</i>	Poster
B -38	Harvesh Kumar Rana	Department of Zoology, Feroze Gandhi College, Raebareli	<i>"Exploring Morin Hydrate's Role in Combating Isoniazid-Induced Oxidative Stress and Inflammation in Liver and Kidney"</i>	Poster
B -39	Jyotirmay Biswas	Department of Sankara Nethralaya, College Road, Nungambakkam, Chennai	<i>Histopathology, Immunohistochemistry, and Molecular Biology In Eviscerated And Enucleated Specimens of End-Stage Uvietic Diseases</i>	Poster
B -40	Kareti Srinivasa Rao	Department of Pharmacy, Indira Gandhi National Tribal University, Amarkantak	<i>Review on Drug-Resistant Bacteria: Current Treatment Strategies & ; Future Perspectives</i>	Poster
B -41	Kartikey Mishra	Department of Biotechnology Dr. harisingh Gour University Sagar	<i>In Silico Screening Of Phyto Compounds Targeting NS1 Protein Of Dengue Virus</i>	Poster

B -42	Kiran Singh	Department of Zoology, School of Biological Sciences, Dr. Harisingh Gour, Vishwavidyalaya, Sagar	<i>Investigation of antioxidant enzymes and neuro-biomarker with metabolomics in earthworm induced by microplastic pollution in soil ecosystem</i>	Poster
B -43	Akanksha Pal	Department of Botany, C M P Degree College, University of Allahabad, Prayagraj	<i>Microalgal bioassay of toxicity, physiology and chlorophyll content extraction caused by heavy metals accumulation</i>	Poster
B -44	Ishika Srivastava	Phycology laboratory, Department of Botany, CMP Degree College, University of Allahabad, Prayagraj	<i>Comparative analyses on carotenoids content in Phormidium sp and Oscillatoria sp on exposure to heavy metals</i>	Poster
B -45	Krati Tiwari	Faculty of Science and Environment, Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya, Chitrakoot, Satna	<i>Computational Screening and Molecular Dynamics Simulation of Flavonoids from Ocimum gratissimum as Potential Alpha-amylase Inhibitors for Type 2 Diabetes Mellitus</i>	Poster
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B -47	Laba Hembram	Utkal University, Vani Vihar, Bhubaneswar, Odisha	<i>Precision Management of Crop Fields: A Comprehensive Review</i>	Poster
B -48	Rekha Sharma	Department of Biosciences and Bioengineering, IIT, Guwahati, Guwahati	<i>In silico insights into insecticidal and antiviral potential of Karanjin from Pongamia pinnata</i>	Poster
B -49	Siddhant Saha	Applied Biodiversity Laboratory, Department of Biosciences and Bioengineering, IIT, Guwahati, Guwahati	<i>Genome-to-Proteome pipeline for Mesua ferrea reveals enzymatic and structural components of seed oil accumulation</i>	Poster
B -50	Lekhan Lodhi	Department of Zoology, Gyanveer University, Sagar	<i>NMR-based Metabolomics: A Powerful Approach for Characterizing Developmental Changes in the Haemolymph Metabolome of Bombyx mori</i>	Oral
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B -52	Mimamsa Pandey	Department of Soil Science and Agricultural Chemistry, Banda University of Agriculture and Technology, Banda	<i>Harnessing alternatives irrigation sources implications for soil health, food safety, and human well-being.</i>	Poster
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B -55	Neha Yadav	Cancer and Neurobiology Lab, Department of Biochemistry, Institute of Science, BHU, Varanasi	<i>Traumatic Brain Injury in Drosophila: Neuronal Dysfunction Leading to Cognitive and Memory Impairment</i>	Poster

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B -59	Pallab Kanti Halder	Department of Pharmaceutical Technology, Jadavpur University, Kolkata	<i>LC-QTOF-HRMS-based metabolomic profiling of the mangrove plant Sonneratia apetala Banks and its anticancer and anti-inflammatory activities</i>	Poster
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B -63	Praveen Ojha	Dept. of Zoology, Kishori Raman P.G. College, Mathura	<i>Application of Computer In Fisheries Management, Development And Health Monitoring</i>	Poster
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B -81	Samiran Panja	Department of Biosciences and Bioengineering (BSBE), IIT Guwahati, Assam	<i>Geographical mapping of black rice from Assam and Manipur using IRMS & ICP-MS</i>	Poster
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B -83	Sankar Narayan Sinha	Department of Botany, University of Kalyani, Kalyani, West Bengal	<i>Effect of Gut Microflora on Behaviour and Development of Human Brain</i>	Poster
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B -86	Satendra Kumar	Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut	<i>Comparative study of moisture dynamics in the soils of two different sugarcane-based cropping system (viz – intercropping and sole) in Western Indo-Gangetic plains of Uttar Pradesh</i>	Poster
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B -88	Seema Mishra	Department of Biochemistry, School of Life Sciences, University of Hyderabad, Hyderabad	<i>Interrogating LncRNA Interactions with mRNAs and Protein in Pan-Cancer Gene Expression and Drug Sensitivity Regulation using Systems Biology Approaches</i>	Poster
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B -93	Tajammul Husain	Department of Botany, University of Allahabad, Prayagraj	<i>Ethylene and hydrogen sulfide mitigate chromium toxicity in two pulse crops by regulating sulfur assimilation, proline metabolism and oxidative stress markers</i>	Poster
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B -98	Tanveera Rounaque Sarhadi	Department of Biosciences and Bioengineering, Indian Institute of Technology Guwahati, Guwahati	<i>Role of mitochondria-peroxisome tether proteins in the pathogenesis of Parkinson's Disease</i>	Poster
B -99	Soham Basu	Department of Biosciences and Bioengineering, IIT Guwahati, Guwahati	<i>Organelle Architectural Remodelling in VPS35 Deletion Strain: Insights Into the Mitochondria–Peroxisome–Vacuole Axis</i>	Poster
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B -116	Tapas C Nag	Department of Anatomy, All India Institute of Medical Sciences, New Delhi, India	<i>Cell loss in aged human peripheral retina: role of apoptosis</i>	Oral
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