

Tentative Technical Schedule

Online & Offline Oral & Poster Presentation

National Conference on Environment and Sustainability

NACONES – 2025

24 January 2025

Organized by

INSTITUTE OF ENVIRONMENTAL STUDIES

KURUKSHETRA UNIVERSITY KURUKSHETRA

(“A⁺⁺” Grade NAAC Accredited, India)

Physical (Offline) Oral Presentations

Date: 24th January 2025, Friday

Theme: Sustainable Technology for Environmental Management

| Time: 02:30 – 5:00 PM | | | Venue- Room No. 203, IES, KUK | |
|--|------------------------------------|-------------------------|---|-----------|
| Technical Session- I: Oral Paper Presentations | | | Rapporteur- Mr. Hardeep Jhanjhotra | |
| Session Chair | | | | |
| Session Chair | | | | |
| S. No. | Authors Name | Affiliations | Title of the Abstracts | Time |
| 1. | Mallikarjuna Murthy Veerubhotla | Instrumentation, KUK | The Consensus in the Query of Sound Science Responsibility for Sustainable Technology | 2:30-2:40 |
| 2. | Vaishali Arora | Env Sc, MDU | In Vitro Study of Phosphate Ion Release Kinetics from Synthesized Nano-Hydroxyapatite | 2:40-2:50 |
| 3. | Anirudh Sehrawat | USEM, GGSIPU | ANT-HILL Water Treatment System: Sustainable and Cost-Effective Solution for Wastewater Treatment | 2:50-3:00 |
| 4. | Sangita Yadav | Env Sc, GJUS&T | Microbially 2ynthesized Zn@Fe3O4(M) and Zn@Fe3O4(ME) nanocomposites for textile effluent | 3:00-3:10 |
| 5. | Rohit Sharma | Botany, KUK | Genome wide identification and characterization of RALF gene family in <i>Solanum lycopersicum L.</i> | 3:10-3:20 |
| 6. | Reeti Chaudhary | Biotech, DCRUST | Fabrication of a sensitive amperometric biosensor for neurotransmitter detection deploying laccase nanoparticles on a pencil graphite electrode | 3:20-3:30 |
| 7. | Ritu Rani | Biotech, DCRUST | Sustainable Bioremediation of 4-Chlorophenol Using <i>Lysinibacillus sp.</i> : A Green Solution for Industrial Pollution | 3:30-3:40 |
| 8. | Pariksha Bishnoi | Chemistry, MMDU | Electrocatalytic Performance in Direct Ethanol Fuel Cells: Contributions of Monometallic, Bimetallic, and Trimetallic Catalysts | 3:40-3:50 |
| 9. | Subhash Chander | Chemistry, GJUS&T | Adsorption investigation of heavy metals from electroplating wastewater utilizing novel chitosan polymer-modified green magnetite nanocomposite | 3:50-4:00 |
| 10. | Meenakshi Sharma | Chemistry, GJUS&T | Bioactive Potential of <i>Datura innoxia</i> : Insecticidal and Antimicrobial Activities | 4:00-4:10 |
| 11. | Nisha Thakral | Zoology, KUK | Emergence of Antibiotic-Resistant Bacteria in Surface Water Ponds and the Efficacy of ZnO and Ag Nanoparticles in Antibacterial Applications | 4:10-4:20 |

| | | | | |
|------------|-------------------|--------------|--|------------------|
| 12. | Sulekha Chahal | Biotech, KUK | Biotechnological Methods for Biodiversity Conservation | 4:20-4:30 |
| 13. | Dr. Anuradha Joon | IES, KUK | Study of Vulnerable tree species in the forest of Northern circle, India | 4:30-4:40 |
| 14. | Shivani Garg | IES, KUK | Soil Nutrients Under Chemical and Organic Amendments: A Comparative Assessment | 4:40-4:50 |
| 15. | Shant Kumar | IES, KUK | Utilization of Deep Learning CNN Model for Infield Detection of Yellow Rust Disease of Wheat | 4:50-5:00 |
| 16. | Neha Kalonia | IES, KUK | Comparative Assessment of Soil Microbial Activity under Conventional, Organic, and Natural Farming Practices | 5:00-5:10 |

Physical (Offline) Oral Presentations

Date: 24th January 2025, Friday

Theme:

1. Natural Resource Management and Climate Change
2. Waste Management and Circular Economy

| Time: 02:30 – 5:00 PM | | | Venue: Seminar Hall, IES. KUK | |
|---|------------------|---|---|-----------|
| Technical Session- II: Oral Paper Presentations | | | Rapporteur- Mr. Abhishek Sharma & Ms. Mahak | |
| Session Chair | | | | |
| Session Chair | | | | |
| S. No. | Authors Name | Affiliations | Title of the Abstracts | Time |
| 1. | Babita Khosla | Env Sc., MDU | Biodegradation of Poultry Feathers using Bacillus Cereus Isolated from Poultry Waste Dump Sites | 2:30-2:40 |
| 2. | Meenakshi Nandal | Env Sc., MDU | Potential use of agricultural wastes to attain Sustainable Development Goals (SDGs) | 2:40-2:50 |
| 3. | Bhupinder Singh | Dept of Chemistry and Env Sc, BPSKV | Fluoride in groundwater of Haryana, India | 2:50-3:00 |
| 4. | Prabhjot Kaur | Department of Biotechnology, KUK | Feasibility of Blending Brown Seaweed Pulp with Rice Straw Pulp for Sustainable Production of Packaging-Grade Paper | 3:00-3:10 |
| 5. | Amarjit Singh | Department of Botany, Guru Nanak Khalsa College, Yamunanagar | Climate Change and Crop Production | 3:10-3:20 |
| 6. | Anshul Tyagi | Delhi Technological University, Delhi | Carbon Emissions from Groundwater Abstraction and Soil in Intensively Managed Agroecosystems Managed Agroecosystems | 3:20-3:30 |
| 7. | Saransi Deo | Department of Biosciences, University Institute of Biotechnology, Chandigarh University | Replacing growth regulators by organic growth supplements for efficient regeneration of <i>Cymbidium finlaysonianum</i> wall. ex Lindl.: a study in vitro | 3:30-3:40 |
| 8. | Ruby Ruby | Baba Mastnath University, Rohtak | Suitability of Himalayan water quality for domestic use: A systematic review and meta-analysis | 3:40-3:50 |
| 9. | Dimple Dimple | Baba Mastnath University, Rohtak | Suitability of the Himalayan water quality for irrigation purpose: A systematic review and meta-analysis | 3:50-4:00 |

| | | | | |
|------------|--------------------|---|--|------------------|
| 10. | Satish Kumar | Department of Geology, Kurukshetra University Kurukshetra | Slope instability: A serious threat to Himalayan Villages | 4:00-4:10 |
| 11. | Riya Gupta | Institute of Pharmaceutical Sciences, Kurukshetra University, Kurukshetra | Waste Management in The Circular Economy | 4:10-4:20 |
| 12. | Hardeep Jhanjhotra | IES, KUK | Heavy metals contamination in the groundwater of Rai Block, Sonipat, Haryana, India | 4:20-4:30 |
| 13. | Anshul | IES, KUK | Mitigation of salt-affected soil using a combination of organic and inorganic amendments. | 4:30-4:40 |
| 14. | Abhishek Anand | IES, KUK | Carbon Sequestration Potential of Soil in Different Land Use Systems in Alluvial Plain Upper Terrace of Northern Haryana | 4:40-4:50 |
| 15. | Urvashi Kashyap | IES, KUK | Assessment of Groundwater Contamination in Vicinity of Dumping Site: Physicochemical Impacts and Seasonal Variations. | 4:50-5:00 |
| 16. | Sandeep Kumar | IES, KUK | Analysis of Treatment Efficiency of Liquid Waste Management Facilities in Rural Areas of District Kurukshetra, Haryana | 5:00-5:10 |

Physical (Offline) Oral Presentations

Date: 24th January 2025, Friday

Theme: Strategies for Sustainable Environment

| Time: 02:30 – 5:00 PM | | | Venue: Seminar Hall, Department of Botany, KUK | |
|--|-----------------------|-----------------------------|--|-----------|
| Technical Session- III: Oral Paper Presentations | | | Rapporteur- Ms. Nitu Yadav & Ms. Shakuntala | |
| Session Chair | | | | |
| Session Chair | | | | |
| S. No. | Authors Name | Affiliations | Title of the Abstracts | Time |
| 1. | Dr. Md. Margoob Ahmad | Pharmacology, IGIMS | Environmental impact on SMAD 4 gene expression and its clinical relevance in patients with breast cancer | 2:30-2:40 |
| 2. | Rohini Singh | Govt PG College, Ambala | Economic Comparison of Open-Source vs. Proprietary AI Tools in Precision Agriculture | 2:40-2:50 |
| 3. | Parmdeep Singh | Biochem, PAU | GABA Regulation of Carbohydrates and Stress Response in Wheat Cultivars Under Stripe Rust Infection | 2:50-3:00 |
| 4. | Raashi Gupta | Botany, PU, Chd | Critical analysis of ecological and social impacts of turning desert into green projects | 3:00-3:10 |
| 5. | Rahul Langyan | Env Sc, MDU | Seasonal Air Quality Dynamics in Haryana: The Role of Stubble Burning (2020-2023) | 3:10-3:20 |
| 6. | Ramika Garg | UIET, Biotech, KUK | Biogenic Synthesis and Multifunctional Applications of Zinc Oxide Nanoparticles: Antibacterial, Antifungal, and Antioxidant Properties | 3:20-3:30 |
| 7. | Mohini Goyal | Botany, KUK | Optimisation of pulping conditions of Indigenous brown alga for eco-friendly sheet-making | 3:30-3:40 |
| 8. | Swati Sharma | Home Sc, KUK | Sustainable Approach to Conquer Type-2 Diabetes mellitus | 3:40-3:50 |
| 9. | Rameshwar Groach | Botany, MLN College, YNR | Exploring Plant-Based Alternatives for Mosquito Repellent Products | 3:50-4:00 |
| 10. | Kuldeep Yadav | Botany, GMN College, Ambala | Conservation and Sustainable Use of Medicinal Plants | 4:00-4:10 |
| 11. | Jitender Bhardwaj | Zoology, KUK | Ameliorative Effects of Quercetin on Cadmium Induced Reproductive Toxicity in Testicular Germ Cells of Goat (<i>Capra hircus</i>) | 4:10-4:20 |
| 12. | Anjali Sharma | Biotechnology, KUK | Isolation and Screening of Silicase Producing Microorganisms from paddy field soil and their application | 4:20-4:30 |

| | | | | |
|------------|-----------------|--------------------|--|------------------|
| 13. | Nitu Mor | Biotechnology, KUK | Isolation, Production, and Compatibility Testing of Silicase-Producing Microorganisms for Enhanced Paddy Straw Decomposition | 4:40-4:50 |
| 14. | Neetu Yadav | IES, KUK | Evaluating Drinking Water Quality in Schools in Kurukshetra, Haryana, India | 4:50-5:00 |
| 15. | Shivani Sangwan | IES, KUK | Groundwater Quality Assessment in the vicinity of Karnal Landfill Site, Haryana, India | 5:00-5:10 |

Virtual (Online) Oral Presentations

Date: 24th January 2025, Friday

Time: 10:00-01:30 PM

Technical Session- I: Oral Paper Presentations

Rapporteur: Mr. Nitu Mor & Ms. Shivani Sangwan

Session Chair

Dr. Vijay Kumar

Session Chair

Dr. Ram Kumar Pundir

| S. No. | Authors Name | Affiliations | Title of the Abstracts | Time |
|--------|-------------------|---|---|-------------|
| 1. | Chandraketu Singh | History dept. RMLAU, Ayodhya | Environmental sustenance in ancient Indian Culture | 10:00-10:10 |
| 2. | Dr Reena Devi | Geography, CBLU, Bhiwani | ग्लोबल वार्मिंग और जलवायु परिवर्तन | 10:10-10:20 |
| 3. | Ankita Siwach | Zoology, Baba Mast Nath University, Rohtak | Utilisation of Fruits and Vegetables Waste as a Feed for Chick Fowls | 10:20-10:30 |
| 4. | Suraksha Narang | Department of Family and Community Resource Management, The Maharaja Sayajirao University of Baroda | Exploring the Potential of Waste Cooking Oil as a Source for Sustainable Soap Manufacturing | 10:30-10:40 |
| 5. | Satyajeet Arya | Faculty of Sciences, Sri Sri University, Cuttack, Odisha | The Emergent Landscape of Green Rankings for Universities | 10:40-10:50 |
| 6. | Shikha Kumari | Environmental Science, MDU, Rohtak | Techniques for Reutilization of plastic waste: a review | 10:50-11:00 |
| 7. | Navita Yadav | Department of Environmental Studies, CUH | Microalgae: Embracing the potential in nutraceutical bio factories as a sustainable solution in nature-based products | 11:00-11:10 |
| 8. | Annu Poria | Zoology Department, bioscience and Bioengineering School, LPU, Punjab | Bats conservation: keys to Biodiversity and Ecosystem Health | 11:10-11:20 |
| 9. | Soniya Kaushik | Department of Environmental Science, MDU | Microplastics in Landfill Leachate, Soil and Groundwater: A Comprehensive Review | 11:20-11:30 |
| 10. | Amita Rana | Economics, CISKMV Fatehpur Pundri | Agricultural Waste Management in Haryana: Challenges, Policy Gaps and Solutions | 11:30-11:40 |
| 11. | Santosh Bhukal | Environmental Science and Engineering, GJUS&T Hisar | Eco-Nano Frontiers: Exploring the Environmental Implications of Algae-Based Nanomaterials | 11:40-11:50 |
| 12. | Ritu Kundu | Department of Chemistry, KUK | Methane Plasmalysis for Hydrogen Production and Carbon capture | 11:50-12:00 |

| | | | | |
|-----|----------------------|--|---|-------------|
| 13. | Jyoti Dangi | Department of Environmental Science, MDU, Rohtak | Sustainable Practices in Handmade Paper Manufacturing Using Agricultural Waste | 12:00-12:10 |
| 14. | Varsha Nigam | Department of Botany, Guru Nanak Khalsa College, Yamuna Nagar, Haryana | Human Health Issues in the Changing Climate Scenario | 12:10-12:20 |
| 15. | Panchami Phaldesai | Department of Economics, Christ (Deemed to be University) Bangalore India-Bannerghatta Road Campus | The Essence of Slow Living: A Qualitative Exploration of Goa's Rural Economic Landscape | 12:20-12:30 |
| 16. | Surender Singh Kajal | Markanda National College, KUK | Green Business Practices: Balancing Environment and Economic Development | 12:30-12:40 |
| 17. | Dr. Nitant Gaur | Institute of Integrated and Honors Studies, KUK | The Importance of AI for Water Resource Management and Conservation | 12:40-12:50 |
| 18. | Ujjwal Dhiman | Institute of Pharmaceutical Sciences, KUK | From Waste to Wealth: Microalgae-Driven Solutions for Sustainable Development | 12:50-01:00 |
| 19. | Dr. Jaipal | P.G.D.A.V. College (Evening), University of Delhi | Wetlands: Best Alternative for Economical and Ecological Security of the society | 01:00-01:10 |
| 20. | Manpunnet Kaur | Department of Physics, Guru Nanak Khalsa College, Yamuna Nagar | Role of Multiple Ionization in Detecting the Environmental Pollution | 01:10-01:20 |
| 21. | Neha Bansal | Department of Chemistry, KUK | Sustainable Routes for Recycling of Waste Plastic and its Composites | 01:20-01:30 |

To join the Google Meeting Technical Session- I: Oral Paper Presentations on Friday, 24 January

Google Meet joining info: Video call link: <https://meet.google.com/jdi-hasx-mag>

To Join WhatsApp Group Link only for Technical Session-I: <https://chat.whatsapp.com/Ko0PwVe3F6RJI62u7AuLuK>

Virtual (Online) Oral Presentations**Date: 24th January 2025, Friday****Time: 11:30-02:30 PM****Technical Session- II: Oral Paper Presentations****Rapporteur: Er. Shivani Garg & Ms. Urvashi Kashyap****Session Chair****Dr. Bindu****Session Chair****Dr. Rajesh Lohchab****Session Chair****Prof. Nikhil Ranjan Mandal**

| S. No. | Authors Name | Affiliations | Title of the Abstracts | Time |
|---------------|---------------------|--|--|--------------------|
| 1. | Nagendra Yadav | Department OF Economics, Maharaja Chhatrasal Bundelkhand University, Chhatarpur, M.P. | Sustainable Cotton Waste Management in Khandesh Region of Maharashtra | 11:30-11:40 |
| 2. | Deepanshi Tanwar | University School of Environment Management Guru Gobind Singh Indraprastha University, Dwarka | Investigating the hydrogeochemical seasonal variability, groundwater quality, and corrosion-scaling impacts: a case study of Southern region of Delhi, India | 11:40-11:50 |
| 3. | Mittu Katoch | Botany, Sri Sai University, Palampur, HP | Ecklonia cava: Marine algal biodiversity; conservation and medicinal use against cervical cancer | 11:50-12:00 |
| 4. | Ritu Sharma | Sustainability Department, Leuphana University | Impacts of pesticide on health and environment: a case study from Kurukshetra, Haryana | 12:00-12:10 |
| 5. | Anu Kumari | Environmental Sciences, MDU | Synthesis and characterization of zinc oxide biochar nanocomposites from agro waste | 12:10-12:20 |
| 6. | Pooja Choudhary | Environmental Science, MDU | Comparative Analysis of Green and Chemically Synthesized Zinc Oxide Nanoparticles | 12:20-12:30 |
| 7. | Renju | School of Environment and Sustainable Development, Central University of Gujarat | Bio-electrochemical system: Treating sewage wastewater with nutrient recovery using agricultural waste and hydrogen production | 12:30-12:40 |
| 8. | Priyanka Bumbra | Environmental Sciences, MDU | Augmentation in growth and physiology of eggplant (Solanum melongena) by the utilization of chicken feather compost prepared using Bacillus cereus. | 12:40-12:50 |

| | | | | |
|-----|-------------------|--|--|--------------|
| 9. | Meenu Malik | Department of Environmental Sciences, MDU Rohtak | Agricultural Soil Radioactivity Assessment in the Vicinity of Jharli Thermal Power Plants, Haryana | 12:50-01:00 |
| 10. | Valeed Ahmed Khan | School of Environment and Sustainable Development, Central University of Gujarat | Efficiency of a bes-coupled persulfate system in the treatment of industrial effluents | 01:00-01:10 |
| 11. | Nikita | USBAS, Guru Gobind Singh Indraprastha University | Shelf-life study of green chillies coated with zein-based film | 01:10-01:20 |
| 12. | Pooja Gupta | USEM, Guru Gobind Singh Indraprastha University | Analysing Waste Disposal and Management Techniques: A Comparative Study between Engineered and Non-Engineered Landfill | 01:20- 01:30 |
| 13. | Shivanna V D | Environmental Science, Karnataka State Open University | Impacts of Fluorosis on Environment: Gaging Groundwater Contamination at Pavagada taluk, Tumkuru, Karnataka, India. | 01:30-01:40 |
| 14. | Khush Kataria | Environmental Science, Maharshi Dayanand University, Rohtak | Isotherm, Kinetic, and Thermodynamic Analysis of Methylene Blue Dye Adsorption on Agricultural Waste-Derived Biochar. | 01:40-01:50 |
| 15. | Jyoti Chowdhry | Department of Environmental Sciences, Maharshi Dayanand University, Rohtak | Agricultural residue as an Eco-Friendly Adsorbent for Nitrate Removal from Wastewater | 01:50-02:00 |
| 16. | Sanjivani Jaglan | Microbiology, KUK | Isolation and characterization of Bacillus sp. ND6D produced thermostable keratinase: A green approach in feather waste management | 02:00-02:10 |
| 17. | Seema Garcha | Department of Microbiology, PAU | Untargeted metabolomics of root exudates of wheat landrace and domesticated varieties cultivated in phosphorus stress in the Indo-Gangetic Plains of India | 02:10-02:20 |
| 18. | Nisha Panchal | IES, KUK | A case study of Siwalik Forest of Arunachal Pradesh: issues and challenges by using forest inventory | 02:20-02:30 |
| 19. | Anjali Malan | IES, KUK | Groundwater Potential for Sustainable Irrigation in Karnal District, Haryana | 02:30-02:40 |

To join the Google Meeting Technical Session- II: Oral Paper Presentations on Friday, 24 January

Google Meet joining info: Video call link: <https://meet.google.com/nit-hapc-fdq>

To Join WhatsApp Group Link only for Technical Session-II: <https://chat.whatsapp.com/DPV6HEYDrj8IC2omVxIbei>

Virtual (Online) Oral Presentations

Date: 24th January 2025, Friday

Time: 10:00-01:00 PM

Technical Session- III: Oral Paper Presentations

Rapporteur: Dr. Anjali Sharma & Ms. Surbhi

Session Chair

Dr. Rajesh Singh

Session Chair

Prof. Rama Pandey

Session Chair

Dr. Amit Kumar

| S. No. | Authors Name | Affiliations | Title of the Abstracts | Time |
|--------|----------------------------|---|---|-------------|
| 1. | Amita Khatri | Department of Environmental Sciences, Maharshi Dayanand University Rohtak | Removal of methylene blue dye from aqueous solution using zinc oxide nanoparticles | 10:00-10:10 |
| 2. | Ankita Yadav | Department of Environmental Sciences, Maharshi Dayanand University Rohtak | Application of copper nanoparticles in the photocatalytic degradation of water pollutants | 10:10-10:20 |
| 3. | Mandeep Kaur | Physics Department, Guru Nanak Khalsa College, Yamuna Nagar | Investigation of differential cross section for electron interaction from environmentally relevant molecules | 10:20-10:30 |
| 4. | Prof. (Dr.) Saranjeet Kaur | University Institute of Biotechnology, Chandigarh University | In vitro propagation of endangered slipper orchid <i>Paphiopedilum spicerianum</i> : A floriculturally important species | 10:30-10:40 |
| 5. | Deepika Yadav | Zoology, Baba Mast Nath University, Rohtak | Formation of Vermicompost using Earthworms from agricultural and animal fecal waste | 10:40-10:50 |
| 6. | Koshal Rajora | University School of Environment Management, GGSIPU | Comprehensive Evaluation of Pollution Levels through Integrated Water Quality Indices: A Case Study of Surajpur Wetland Uttar Pradesh | 10:50-11:00 |
| 7. | Pooja Rani | Department of Environmental Science & Engineering, GJUS&T | Synthesis and Characterization of Cobalt-Ferrite Magnetic Nanoparticles Using Sol-Gel Auto-Combustion | 11:00-11:10 |
| 8. | Pankaj Poria | Department of Environmental Studies, University of Delhi | Sustainable Co-Culture Systems for Effective Textile Effluent Degradation | 11:10-11:20 |
| 9. | Soniya Chaudhary | Department of Environmental Science & Engineering, GJUS&T | Characterisation of FGD Gypsum and risk assessment of potential toxic elements. | 11:20-11:30 |

| | | | | |
|-----|--------------------|---|--|-------------|
| 10. | Vinita Sharma | Department of Environmental Science & Engineering, GJUS&T | Influence of wood apple shell fillers on the mechanical properties of sugarcane bagasse fiber epoxy composites | 11:30-11:40 |
| 11. | Manmeet Kaur | Civil Engineering/ Chandigarh University | Assessment of Seasonal Precipitation Trends and Water Resource Implications in Arid Ecosystem of Western Rajasthan | 11:40-11:50 |
| 12. | Urvashi Sen | CHEMISTRY/MMEC, MMDU | Efficient sonophotocatalytic degradation of methylparaben using graphene and manganese doped nickel sulphide (GO.Mn@NiS) nanocomposite | 11:50-12:00 |
| 13. | Divya Gulia | Department of Environmental Science & Engineering, GJUS&T | Assessment of heavy metal content in medicinal plants collected from different environmental sites | 12:00-12:10 |
| 14. | Shubham Shrotriya | Department of Environmental Science, Shri Venkateshwara University, Gajraula, Uttar Pradesh | Comparative Analysis of Composting And Anaerobic Digestion For Organic Waste | 12:10-12:20 |
| 15. | Johny Sharma | Chemistry, KUK | Porphyrin as Photocatalyst for Hydrogen Production | 12:20-12:30 |
| 16. | Dr Geetanjli Sahni | Department of Zoology | Analysis of groundwater in Malakpur village of Kurukshetra, Haryana, India | 12:30-12:40 |
| 17. | Dev Karan | Geography, KUK | Sugarcane Cultivation in Haryana: A Spatio-Temporal Analysis (1966-2022) | 12:40-12:50 |
| 18. | Amisha . | Department of Chemistry | Enhancing the biodegradability and antimicrobial efficacy of natural rubber latex using graphene oxide/nickel oxide nanoparticles | 12:50-01:00 |

To join the Google Meeting Technical Session- III: Oral Paper Presentations on Friday, 24 January

Google Meet joining info: Video call link: <https://meet.google.com/cgy-osfj-mma>

To Join WhatsApp Group Link only for Technical Session-III: <https://chat.whatsapp.com/ITfUQLtqjubAYzwRuxZNWr>

Physical (Offline) Posters Presentations

Date: 24th January 2025, Friday

| Display Time: 12:00-2:00 PM | | | Evaluation Time: 2:30-4:30 PM |
|-----------------------------|------------------|---|---|
| Session Chair | | | |
| Session Chair | | | |
| S. No. | All Authors Name | Affiliations | Title of the Abstracts |
| 1. | Deepak Khatak | Department of Botany, KUK | Arbuscular mycorrhizal fungal biodiversity linked to various medicinal plants in the Rewari district of Haryana, India |
| 2. | Kirti Duhan | Institute of Environmental Studies, KUK | Synthesis of bioplastics for a greener future using agro-waste |
| 3. | Nishu Moun | Department of Botany, KUK | Arbuscular Mycorrhizal Fungi: A Key to Sustainable Agriculture and Soil Fertility |
| 4. | Hemanshi Kumari | Botany Department, IIHS Kurukshetra | A Review of Mycorrhizal Fungi: The Foundation of Resilient Agriculture |
| 5. | Shakuntla Duman | Institute of Environmental Studies, KUK | Sustainable energy from agricultural waste: effective pretreatment and co-digestion methods for biogas production |
| 6. | Deepak Kumar | Institute of Environmental Studies, KUK | PGPR-mediated nanoparticles and their effect on plant growth |
| 7. | Kamaljit Panchal | UIET, KUK | Utilizing Bacterial Laccases for Azo Dye Degradation: Innovations in Environmental Sustainability and Industrial Applications |
| 8. | Poonam | Department of Zoology, KUK | Preliminary records of moths (Lepidoptera: Heterocera) of Kurukshetra University, Haryana, India |
| 9. | Neeru Saini | Department of Botany, KUK | Role of PGPR in Sustainable Agricultural Development under Drought Stress Condition |
| 10. | Nandini Sinhmar | Department of Biotechnology, KUK | Nanomedicines: A growing field of drugs based on Nanobiotechnology |

| | | | |
|-----|-----------------|--|---|
| 11. | Surabhi Sirohi | Institute of Environmental Studies, KUK | A Review on Estimating Greenhouse Gas Emission from Wildfires Using Remote Sensing Technology |
| 12. | Shreya Chahal | Department of Biotechnology, DCRUST, Murthal | Transforming Agricultural Waste with Mushroom-Derived Bioactives: A Leap Toward Sustainable Therapeutics |
| 13. | Karuna Jangid | Institute of Environmental Studies, KUK | Potential of Google Earth imagery for the classification of urban land use |
| 14. | Monika | Department of Botany, KUK | Arbuscular mycorrhizal fungi as a sustainable alternative for chemical fertilizers in agriculture |
| 15. | Deepti Jaswal | Department of Microbiology, PAU, Ludhiana | Pretreatment of potato waste for release of fermentable sugars: optimization and vodka production |
| 16. | Preeti Yadav | Department of Zoology, KUK | Antimicrobial Properties of Fish Epidermal Mucus for Environmental Pollution Assessment |
| 17. | Akshi Chauhan | Department of Zoology, KUK | Toward Sustainable Food Systems: Evaluating Duckweed as a Protein Source for Aquaculture |
| 18. | Kajal Devi | Department of Botany, KUK | Green-Synthesized Nanoparticles: A Biocompatible Strategy for Harmful Algal Bloom Control |
| 19. | Sachin Malik | Department of Biotechnology, DCRUST, Murthal | Deciphering Cadmium Tolerance and Biosorption Potential in Industrial Sludge Bacteria: <i>Achromobacter sp.</i> and <i>Bacillus sp.</i> |
| 20. | Lalita | Department of Botany, KUK | Harnessing endophytes for environmental resilience and agricultural sustainability\'''' |
| 21. | Aakriti Chhoker | Department of Botany, KUK | Exploring the Potential of Nanofertilizers in Combating Salinity Stress in Plants |
| 22. | Poonam Mor | Institute of Environmental Studies, KUK | Climate-Resilient Crop Enhancing Abiotic Stress Tolerance |
| 23. | Swati Nandal | Department of Botany, KUK | Integrating Satellite Imagery and Google Earth Engine for Predicting and Monitoring Land Use Land Cover Dynamics |

| | | | |
|-----|------------------|--|---|
| 24. | Rakshanda Singh | Department of Biotechnology, KUK | Optimization of culture conditions for enhanced cellulose production using <i>Komagataeibacter diospyri</i> RSA4 |
| 25. | Monika Yadav | Institute of Environmental Studies, KUK | Millets: The Key to Resilient Farming in Changing Climate |
| 26. | Pardeep Rao | Department of Environment Science and Engineering, GJUS&T | Exploring the role of genetically modified algal species in sustainable biofuel production |
| 27. | Amandeep Khatkar | Geography Department, CRLU, Jind | Assessment of the Factors Affecting Crop Yield for Sustainable Agriculture in an Agrarian District of Haryana |
| 28. | Meenu Yadav | Department of Environmental Sciences, MDU, Rohtak | Synthesis and Characterization of Coconut Shell Biochar: Insights into Physicochemical Properties and Applications |
| 29. | Shaina Thakur | University Institute of Biotechnology, Chandigarh University | Substitution of Agar -A step towards Biodiversity conservation |
| 30. | Baru Ram | Department of Geology, KUK | Assessing groundwater quality and suitability in Mahendergarh District: Strategic insights for sustainable water management and environmental protection |
| 31. | Anshu Siwach | Department of Zoology, KUK | Quercetin Mediated Attenuation of Nicotine-Induced Reproductive Toxicity in Ovarian Antral Follicles of goat (<i>Capra hircus</i>) |
| 32. | Harsh Sagwal | Department of Geology, KUK | Groundwater quality evaluation of Kaithal district, Haryana |
| 33. | Nidhi Ahlawat | Department of Environmental Sciences, MDU, Rohtak | Microbial fuel cell amended constructed wetland for enhanced wastewater remediation and bio-electricity generation: A comprehensive study |
| 34. | Aarti Rathi | Department of Botany, KUK | A Review on Impact of Ethnobotany on Sustainable Development |
| 35. | Bheem Singh | Department of Botany, KUK | A Comparative Analysis of the Antioxidant Activity of Methanolic Extracts of Different Parts of <i>Tabebuia aurea</i> (Silva Manso) Benth. & Hook. F. Ex S. Moore |
| 36. | Prerna Bikal | Department of Zoology, KUK | Protective Effects of N- acetyl- L-Cysteine Against Cadmium-Induced Oxidative Stress-Mediated Apoptosis within Granulose Cells of goat (<i>Capra hircus</i>) |

| | | | |
|-----|-----------------|---|--|
| 37. | Neha Yadav | Department of Botany, KUK | Ecological Impacts and Management challenges of <i>Lantana camara</i> L. |
| 38. | Anjali Bansal | Department of Home Science, KUK | Sustainable Utilization of Agriculture Waste of Corn Silk in Food Production: Nutritional and Sensory Properties |
| 39. | Samriti Dhankar | Department of Microbiology, KUK | Bioplastics |
| 40. | Dupty Ram | Department of Zoology, KUK | Impact of global-level urbanization on bird community |
| 41. | Shalu Devi | Department of Zoology, KUK | Arsenic: Its Exposure and Impact on Male Reproductive Health |
| 42. | Poonam Sharma | Department of Microbiology, KUK | Production and Characterization of Bacterial nanocellulose by <i>Gluconacetobacter kombuchae</i> by Utilizing Rice Straw Hydrolysate as Nutrient Media |
| 43. | Ritu Sharma | Department of Microbiology, KUK | Synthesis, Characterization, and Biomedical Applications of Nanocomposites derived from Green Coconut Waste: A Sustainable Approach |
| 44. | Aman Kumar | Department of Botany, KUK | Assessing the effect of fertilizers on the germination and growth parameters of cucumber through a germination bioassay |
| 45. | Sugamta Noliya | Department of Environment Science and Engineering, GJUS&T | Synthesis and Characterization of Green Copper Oxide Nanoparticles from E-waste and Plant Extract |
| 46. | Sakshi Nain | Department of Botany, KUK | Direct Shoot Induction from Nodal Explants of <i>Barleria cristata</i> L.: A Valuable Ethnomedicinal Plant. |
| 47. | Arifa Ibrahimi | Department of Botany, KUK | Potassium nitrate modulate biochemical characteristics of <i>Vigna radiata</i> (L.) R. Wilczek grown under salt stress |
| 48. | Reema Deshwal | Department of Biotechnology, DCRUST, Murthal | Isolation and screening of Neonicotinoid-Degrading Microorganisms from Polluted Soils. |
| 49. | Meenu Rathi | Department of Botany, KUK | Role of PGPR in sustainable development under drought stress condition |
| 50. | Kajal Chauhan | Department of Biotechnology, KUK | Assessment of bacterial endophytes isolated from halophytic grasses for salt tolerance and plant growth promoting potential in wheat crop |

| | | | |
|-----|-------------------|---|--|
| 51. | Sanju Kumari | Department of Botany, KUK | Antioxidant activity and total phenolic content of <i>Symplocos racemosa</i> |
| 52. | Aashifa Pasha | Institute of Environmental Studies, KUK | The Green Divide: Exploring the Conflicts Between the Judiciary and National Green Tribunal in India |
| 53. | Anjali Garg | Department of Zoology, Deshbaghat University Gobindgarh | Water management for sustainable environment |
| 54. | Ashima Sharma | Department of Chemistry, MMEC, MMDU | Nanotechnology-Driven Strategies for Sustainable Remediation of Pharmaceutical Contaminants |
| 55. | Samridhi Sharma | Department Home Science, KUK | Cultivating Sustainability: The Role of Millets in Food and Environmental Security |
| 56. | Namrata | Department of Zoology, Baba Mastnath University | Evaluation of physicochemical and mineral content of poultry egg quality with special emphasis on health risk assessment in Haryana, India |
| 57. | Mehak Verma | Department Home Science, KUK | PCOS: sustainable management through eco-friendly approaches |
| 58. | Nandini Prabhakar | Botany Department, IIHS Kurukshetra | Aphids: Agricultural Threat or Ecological Bioindicator? |
| 59. | Masoom | Botany Department, IIHS Kurukshetra | Agricultural sustainability using organic amendments and comparison of their antioxidant activities |
| 60. | Shalini Ojha | Department of Botany, Panjab University, Chandigarh | Exploring the Potential of Invasive Plant Species for Water Purification: A Sustainable Environmental Solution |
| 61. | Priyanka Kataria | Department of Environmental Science and Engineering, GJUS&T | Assessment of Mechanical Properties of Rice Husk/Cement Bypass Dust/Epoxy Hybrid Composites |
| 62. | Pooja Rani | Department of Botany, KUK | The Impacts of Microplastics on Terrestrial Ecosystem and some Sustainable Solutions to Manage them |

| | | | |
|-----|-------------------|---|---|
| 63. | Dr. Nadia Chowhan | Department of Botany, Kumari Vidyavati Anand DAV College for Women, Karnal | Exploring Monoterpene β -Pinene as a Novel Approach for the Mitigation of Arsenic Toxicity in Plants |
| 64. | Sweta Goyal | Department of Home Science, KUK | Food Security Through the Promotion of Underutilized Food Crop |
| 65. | Kirti Ahlawat | Department of Biotechnology, DCRUST, Murthal | Comprehensive Molecular and Phytochemical Profiling of <i>Eclipta alba</i> for Genetic Authentication and Therapeutic Potential Exploration |
| 66. | Shiwani | Chemistry /MMEC, MMDU | Advancing electrochemical performance in fuel cells: The central role of Noble metal-based materials |
| 67. | Anju Sheokand | Institute of Pharmaceutical Sciences, KUK | Mitigating Environmental Risks and Toxicological Impact through Nanotechnology in Pharmaceutical Formulations. |
| 68. | Deepa Yadav | Institute of Pharmaceutical Sciences, KUK | Leveraging Green Nanotechnology to Enhance Environmental Safety in Pharmaceutical Formulations |
| 69. | Jannat Kumari | Department of Chemistry, Kurukshetra University Kurukshetra | Surface functionalized magnetite nanoparticles: Potential tool for wastewater treatment |
| 70. | Ramesh Kumar | Department of Chemistry, Kurukshetra University Kurukshetra | Removal of pollutants from aqueous solution using nano adsorbent |
| 71. | Divyansh Singh | Department of Computer Science, KUK | Energy Usage and Environmental Impact of Large Language Models (LLMs) |