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2ND EDITION OF

INTERNATIONAL CONFERENCE ON

ENVIRONMENTAL SCIENCE, SUSTAINABILITY & GLOBAL INNOVATION

HYBRID EVENT
21-23
JUNE 2027

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ROME, ITALY
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TENTATIVE PROGRAM

CONFERENCE TOPICS

- Hydrology & Cryosphere
- Oceanography & Marine Science
- Biodiversity, Ecology & Nature-Based Solutions
- Soils, Agro-ecosystems & Food Security
- Environmental Chemistry & Toxicology
- Contaminants, Pollution Control & Circular Economy
- AI-Driven Environmental Intelligence & Predictive Analytics
- Environmental, One-Health & Planetary Health
- Social Dimensions, Ethics & Environmental Justice
- Fire Science & Pyro-ecology

Theme:
Building a Sustainable Future through Environmental Innovation

+1 (702) 988-2320 +1 (540) 709-1879 | https://environmentalscienceconference.com/

Keynote Speakers



Giuseppe Orlando
University of Bari, Italy



Venturi Sebastiano
AUSL-Rimini, Italy



Carme Ferre-Pavia
Universitat Autonoma de Barcelona, Spain



Antonio Albuquerque
University of Beira Interior, Portugal



Heather M Coleman
Ulster University, Ireland



Sergey Suchkov
N D Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russia



Dai Yeun Jeong
Asia Climate Change Education Center and Jeju National University, South Korea



Gheorghe Grigoras
Gheorghe Asachi Technical University of Iasi, Romania

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KEYNOTE PRESENTATIONS

Giuseppe Orlando, University of Bari, Italy

Title: Climate change and natural disasters: Predicting financial losses, managing volatility, and building financial resilience

Venturi Sebastiano, AUSL-Rimini, Italy

Title: Will be Updated Shortly

Carme Ferre-Pavia, Universitat Autonoma de Barcelona, Spain

Title: Beyond 3R: The 4P proposal for strategic narratives on climate change

Antonio Albuquerque, University of Beira Interior, Portugal

Title: Turning waste into water treatment media: Waste-derived aggregates in nature-based solutions for treating diverse water matrices

Heather M Coleman, Ulster University, Ireland

Title: Will be Updated Shortly

Sergey Suchkov, N D Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russia

Title: Personalized, community- and population-related health in a changing and sustainable environment through the view of Personalized & Precision Healthcare (PPH): Its impact and role in preventing disease to maximize global health

Dai Yeun Jeong, Asia Climate Change Education Center and Jeju National University, South Korea

Title: Will be Updated Shortly

Gheorghe Grigoras, Gheorghe Asachi Technical University of Iasi, Romania

Title: Will be Updated Shortly

ORAL PRESENTATIONS

Meryem Gurel, Atlantic International University, United States

Title: The comparative analysis of sustainability reporting strategy: A case study of BP and Shell based on ESG frameworks

Gbenga Arikenbi, University of Colorado Boulder, United States

Title 1: Who gets the green and who bears the waste? Corporate social responsibility, ecological modernization, and unequal environmental exchange in Nigeria
Title 2: Green promises, dirty realities: Corporate sustainability communication as a mechanism of environmental justice in nigeria

Joseph Omoh Ikerodah, University of Colorado Boulder, United States

Title: Decolonizing environmental communication: Integrating indigenous African communication systems in climate change communication in Africa

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Angela Vande, Vande Consulting, Canada

Title: RemediMaker treatment for hydrocarbon contaminated soil

Peace C Nwafor, Anglia Ruskin University, United Kingdom

Title: Advancing environmental literacy and sustainable laboratory practices through digital chemistry education

Bence Hernadi, University of Pannonia, Hungary

Title: Assessment of environmental odour sources and their effects on air quality and human well-being: A case study of Budapest

Tamaz Patarkalashvili, Technical University of Georgia, Georgia

Title: Adverse impact of climate change on environment sustainability

Valentina Svalova, Sergeev Institute of Environmental Geoscience, Russia

Title: Oil - gas potential and geodynamics of the Caspian-Mediterranean and Mexican-Caribbean regions

Valery P Kalinichenko, Institute of Fertility of Soils of South Russia, Russia

Title: Biogeosystem Technique (BGT*) methodology in long-term ecosphere sustainability

Maisoun Sewaliem, Qatar University, Qatar

Title: Threat appraisal and the formation of environmental entrepreneurial intentions: A dual-pathway model of eco-anxiety, climate hope, and efficacy beliefs

Faisal Melhim, City University Qatar, Qatar

Title: Can artificial intelligence enable environmental sustainability? Evidence from a resource-dependent economy

Nada Al Bahrani, Imam Abdul Rahman Bin Faisal University, Saudi Arabia

Title: Environmental air monitoring and early-warning framework for respiratory pathogens in Saudi Arabia

Carol Hernández Rodríguez, National Autonomous University of Mexico, Mexico

Title: Local ecological knowledge and climate change: In situ agrobiodiversity conservation through the milpa system and the strengthening of food security

Zhongsheng Guo, Northwestern A&F University, China

Title: High-quality development of soil and water conservation

Shang Chen, First Institute of Oceanography, China

Title: Blue carbon ecosystem asset assessment frameworks

Mohammad Imran Azizi, UNEP-Tongji Institute of Environment for Sustainable Development, China

Title: Introducing the optimal carbon market: A comparative analysis of current conditions across four regions

Divya Jyoti Bijalwan, Manipal Academy of Higher Education, India

Title: Pahadi.AI: An AI-enabled environmental intelligence system for conserving Himalayan wild bioresources and ecosystem health

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Pragya Yadav, Delhi Technological University, India

Title: Carbon accounting and emission mitigation in higher education institutions: Evidence based study of Delhi Technological University

Pintu Das, Sarala Birla University, India

Title: An integrated mathematical modelling and ANFIS framework for groundwater quality assessment and contaminant transport

Anamika, Vinayak Vidyapeeth College, India

Title: Waste algae biorefinery: Converting excess algal biomass into bioenergy, bioplastics and high-value bioproducts

Zohra Ulfat Shaikh, HSNC University, India

Title: Microplastic contamination in drinking water and food: Detection, characterization and potential environmental risks

Sanoj, Jawaharlal Nehru University, India

Title: Who bears the cost of a clean transition? Battery circularity and gender justice in India's electric mobility shift

Kallol Saha, Development Connects, India

Title: From aquifers to algorithms: The H-WISE framework for Panchayat-led climate-resilient water security in rural India

Keerthana V S, St. Thomas College of Engineering and Technology, India

Title: Acoustic panels from jackfruit leaves biomass

Zishan Quraishi, Mewar University, India

Title: Low-cost agricultural waste-based adsorbent for wastewater treatment

Sovik Mukherjee, St. Xavier's University, India

Title: Digital transformation and climate sustainability: How innovation, human capital and institutional quality shape ICT's environmental impact

Prabhpreet Kaur, CGC University, India

Title: Turning trash to treasure: Rice straw derived biopolymer for sustainable applications

Prisha Lohiya, Symbiosis Skills and Professional University, India

Title: A comparative analysis of state level policy, regulations and framework for battery energy system in India

Satya Prakash Mehra, Vasudha Ecosystems Global LLP (VEG-Bharat), India

Title: From water security to saline-wetland resilience: Integrating community-led water sustainability, salinity management and avifaunal conservation through NatureScaping™ in Rajasthan, India

Safal Jung Thapa, Indian Institute of Science, India

Title: The hidden health-economic externalizations of hazardous chemicals in household cleaning and consumer care products in India

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PROGRAM

Mukesh Bharti, Indian Institute of Technology Guwahati, India

Title: Advanced rotating-anode electrocoagulation for simultaneous arsenate and fluoride removal: Reaction kinetics, energy consumption, and techno-economic evaluation

Amir Farooq Bhat, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, India

Title: Cellular phone radiation and its impact on chlorophyll content of some selected plants species and birds nesting in Aligarh, Uttar Pradesh, India

Subhas Chandra Datta, Kanchannagar D N Das High School, India

Title: Biomedicine focuses on future environmental sustainability, global innovation, education, research, and healthcare

Veena Ningappa Bhajantri, Indian Institute of Technology Indore, India

Title: Geospatial intelligence for sustainable cities: An integrated environmental and waste management index

Shreya Dixit, Indian Institute of Technology Indore, India

Title: Explainable ensemble learning for spatiotemporal water quality assessment in the Narmada River Basin, India

Harshini J, Annamalai University, India

Title: ESG disclosure and financial performance in sustainable banking: A conceptual perspective

Hishmi Jamil Husain, Social Welfare Environment and Education Society (SWEES), India

Title: Community-valued ecosystem services in a forest-mining landscape: Remote sensing and spatial multi-criteria evidence from West Singhbhum, India

P Sri Jothi, Anna University, India

Title: Sustainable Development Goals and their context in Indian Tamil cinema: A study of visual analysis and symbolism

Santu Chatterjee, National Institute of Technology Durgapur, India

Title: Nitrate dynamics in groundwater of an intensively cultivated region of Eastern India: Hydrogeochemical controls and natural attenuation

Vijayan Gurumurthy Iyer, Techno-Economic-Environmental Study and Check Consultancy Services, India

Title: Environmental impact assessment process in cotton double roller ginning industries and effect of seed-cotton ginning percentage investigations conducted during the year 1990-1997

Stephen Poon, GMI Technologies (Genius Global), Malaysia

Title: Building the 'Just Transition' marketplace: Co-creating economic and environmental wealth

Aila Marie A Rufon, Aklan State University, Philippines

Title: Growth, survival, and offspring output of superworms (Zophobas morio F.) on various waste types

Khaled Hamdi Taufik Ali, Al-Azhar University, Egypt

Title: Economic evaluation of pricing and production policies for achieving agricultural sustainability and food security

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PROGRAM

Abul Faiz Md Jamal Uddin, Sher-e-Bangla Agricultural University, Bangladesh

Title: Sustainable spirulina production: Towards a new entrepreneurship and social inclusiveness to combat malnutrition

Md Rasel Mia, Wildlife Conservation Society, Bangladesh

Title: From species knowledge to marine protection: Engaging fishers and coastal communities through educational outreach exhibitions to promote shark and ray conservation in Bangladesh

Afzal Hussain, University of Dhaka, Bangladesh

Title: Eco-friendly doxycycline adsorption using a dual-waste-derived cellulose/graphene oxide-iron oxide-nickel hydroxide nanocomposite: Kinetic, isotherm, and thermodynamic evaluation

Eshakun Nessa Binte Haq, University of Dhaka, Bangladesh

Title: Development of an iron-catalyzed peroxide oxidation system for efficient atmospheric NOx remediation

Fatin Shahariar, Bangladesh Maritime University, Bangladesh

Title: Coastal aquaculture expansion and mangrove change in southwestern Bangladesh: A Google Earth Engine assessment of environmental trade-offs (2015-2025)

Mohammad Zubair, International Islamic University Malaysia, Bangladesh

Title 1: Smart cities, cleaner skies: An explainable AI framework for urban air quality prediction and environmental decision-making
Title 2: Using generative AI advertisement on customer buying behaviour: Evidence from e-commerce shoppers in malaysia

Md Abu Musa, Bangladesh Maritime University, Bangladesh

Title: Beyond the monsoon baseline: Evaluating transparent AI for coastal environmental governance in Bangladesh

Hafsa Ashraf, Government College University Faisalabad, Pakistan

Title: Valorization of immature dates for sustainable bioeconomy and climate-resilient food systems

Aqsa Akhtar, University of Management and Technology, Pakistan

Title: Ultrasound-enhanced deep eutectic solvent extraction and encapsulation of eggplant peel polyphenols for low-fat mozzarella spread formulation

Abdul Samad, International Islamic University Islamabad, Pakistan

Title: Fabrication of nanotechnology based energy-efficient, affordable and user-friendly water filtration membrane

Uzair Khan, Quaid-i-Azam University, Pakistan

Title: Extraction of collagen from chicken waste and development of cellulose nanofiber-reinforced hydrogels for the hexavalent chromium metal adsorption from wastewater: Optimization and characterization

Hashir Najeed, Government College University, Pakistan

Title: Supplementing maize-cowpea a intercropping with biochar and farmyard manure benefit crop productivity and soil carbon-nitrogen-phosphorus fertility indicators under semiarid climate

Sara Shahzad, Allama Iqbal Open University, Pakistan

Title: Land-use and environment: Untangling drivers of Daboia russelii's abundance in Hajeera, Azad Kashmir, Pakistan

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PROGRAM

Mohammad Faraz, Balochistan University of Information Technology, Engineering and Management Sciences, Pakistan

Title: Untreated banana pseudostem biocomposites as sustainable alternatives to synthetic composites: Micromechanical failure and void morphology analysis

Kamal Zehraoui, Hassan II University, Morocco

Title: Financial inclusion, climate vulnerability, and unemployment: An econometric panel analysis of the MENA region (2000-2025)

Taha Afar, University Mohammed VI Polytechnic, Morocco

Title: From mine waste to root zone: Smectite-rich marl ceramics as self-regulating emitters for coupled water and nutrient delivery in arid agriculture

Salma Toubali, Cadi Ayyad University, Morocco

Title: Enhancing drought resilience in quinoa varieties (Chenopodium quinoa) through the combined application of biostimulants and organic amendments under field conditions

Kaoutar Benghzial, Mohammed VI Polytechnic University, Morocco

Title: Alternative P fertilizer for sustainable phosphorus management in tropical soil: A microscale investigation

Shohreh Ezzatian, University of Tehran, Iran

Title: Integrated expansion of solar energy production and supportive supply chain in alignment with urban development and urban design framework plan: A framework for innovative services, employment, and sustainable cities

Shrawasti Karmacharya, Health Environment and Climate Action Foundation, Nepal

Title: National plastic inventory of Nepal using material flow analysis

Samir Bhandari, Tribhuvan University, Nepal

Title: Elevational patterns of tree regeneration across forest types in the Central Himalayas of Nepal

Mmabatho Peggy Moifo, Rhodes University, South Africa

Title: Understanding the barriers affecting false codling moth larval infestation on citrus fruit

Murphy O Acheampong, Kwame Nkrumah University of Science and Technology, Ghana

Title: Soil management effect on carbon storage in the semi-deciduous zone of Ghana

Berchie Isaac, Suresh Gyan Vihar University, Ghana

Title: Environmental impact assessment on mining

Dennis Simiyu, Shamberere National Polytechnic, Kenya

Title: From waste to climate action: An AI-enabled circular economy framework for transforming urban organic waste into climate, economic and public-health solutions

Adividje Liesse Memede, Pan African University Institute for Basic Sciences Technology and Innovation, Kenya

Title: Gum Arabic as a sustainable cement replacement for pavement foundation material stabilization

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PROGRAM

Fredrick Mwenje, Masinde Muliro University of Science and Technology, Kenya

Title: The hidden cost of climate adaptation: Valuing unremunerated water work in Kenya gendered response to climate change

Denson Changwe Sinzumwa, SolidarMed Zambia, Zambia

Title: Passive, low-energy infrastructure for heat-resilient rural health systems: A co-designed pilot and national guidelines framework for health training, accommodation and clinical spaces in Zambia

Chawezi Longwe, Eden University, Zambia

Title: Beyond hydropower: Just and equitable policy pathways for a climate-resilient renewable energy mix in Zambia

Willard Tatenda Duri, BCHOD Consulting Engineers, Zimbabwe

Title: From climate vulnerability to resilience: Strengthening community-based adaptation for food security in climate-vulnerable communities in Zimbabwe

Melese Genete, Wollo University, Ethiopia

Title: Synergies and tradeoffs of achieving carbon-neutrality under ongoing global challenges

Ezeama Chidiebele Kene, Lexact Legal Solutions, Nigeria

Title: Interrogating the sufficiency of legal protection available for environmentally induced displacements: A review of the farmer-herder crisis in Nigeria

M B Abdullahi, Federal University Kashere, Nigeria

Title: Integrating artificial intelligence, IoT-ready monitoring and technology-enhanced learning for aquatic pollution assessment in the Gongola - Benue river system, Nigeria

Aina Gbenga Emmanuel, Confluence University of Science and Technology, Nigeria

Title: Phytosociological analysis and physiognomic profiling of Osara natural vegetation using 'M-Tree' mobile application technology

Ajiola Enoch Oluwabukunmi, University of Lagos, Nigeria

Title: Machine learning-based prediction of heavy metal toxicity and LC50 estimation in African catfish (Clarias gariepinus): A predictive analytics approach to environmental monitoring

Roger Delamou, University of Felix Houphouet-Boigny, Guinea

Title: Socioeconomic values of mangrove ecosystems in the Kapatchez delta, Western Guinea

Maanzou Boukari, University of Parakou, Benin

Title: Social determinants of climate adaptation among smallholder farmers in Northern Benin

Oral presentation slots are available

POSTER PRESENTATIONS

Anshika Kumari, A N College Patna, India

Title: Assessment of particulate matter exposure in in-vehicle microenvironments across urban traffic routes of Patna during winter season

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Bommu Navadeep Reddy, Professor Jayashankar Telangana State Agricultural University, India

Title: From waste to water: Reviving Indian agricultural wisdom through paddy straw-based bio-hydrogel technology for climate-resilient farming

Chetna Nagoda, Indian Institute of Technology Jodhpur, India

Title: Algae-based indoor air purifier

Aniket Tayade, 8 Naturals, India

Title: Integrating QR technology, a world record native seed bank, and the first nursery-preneur model for grassroots agripreneurship

Bhuvaneshwaree Surroop, University of Mauritius, Mauritius

Title: A preliminary assessment of marine biodiversity and crustacean assemblages in Mauritian seagrass habitats using environmental DNA metabarcoding

Subhan Alam, Livestock Department Government of Khyber Pakhtunkhwa, Pakistan

Title: Effect of heat stress on physiological responses and milk production in dairy cattle using field-based THI observations in District Nowshera and Mardan, Pakistan

Khouloud Hammami, University of Manouba, Tunisia

Title: Bioconversion of plastic waste into microbial polyhydroxyalkanoates

Prashant Bhatta, Tribhuvan University, Nepal

Title: Explainable machine learning and integrated statistical assessment of urban air quality dynamics using multi-pollutant monitoring data of Thankot corridor, Kathmandu Valley

Kereemang Gaoaaga, Stellenbosch University, South Africa

Title: Geochemical characterisation, health risk estimates and source apportionment of fine inhalable particles (PM2.5) in informal and low-income housing of the Western Cape, South Africa

Arnold Valaro, Muuni Fund Malawi, Malawi

Title: Field study of development and agronomic evaluation of a fortified blended organic fertilizer from municipal waste resources for maize production in Malawi

Esayas Embaye Kidane, Mekelle University, Ethiopia

Title: From restoration to ruin: Wildlife conservation dilemmas and ecological resilience in war-affected Tigray, northern Ethiopia

Poster presentation slots are available