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**GEST 2024**

November 04-06, 2024 | LONDON

**Global Conference on**

# Environmental Science and Technology

November 04-06, 2024 | London, UK



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# Preliminary Program

**Program Last Updated on: August 12, 2024**

**Note:** Last minute changes due to functional, private or organizational needs can be necessary. The event organizer accepts no liability for additional costs caused by a change of program. Program is subject to change.

# Scientific Sessions

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- Environmental Pollution: Causes and Control
- Climate Change: Challenges and Mitigation
- Climate Resilience and Adaptation
- Carbon Footprint and Greenhouse Effect
- Global Warming and Glaciers
- Forest Conservation and Management
- Waste Production and Management
- Hydrology and Water Resource Management
- Urban Ecosystem
- Environmental Protection and Restoration
- Environmental Impact Assessment
- Environmental Policies and Laws
- Environmental Modelling
- Environmental Technology
- Ecosystem Services and Biodiversity Conservation
- Sustainable Energy Transitions
- Circular Economy
- Resource Extraction and Ecosystems
- Environmental Toxicology and Human Health
- Oceanography
- Ocean and Coastal Management
- Blue Economy
- Marine Pollution and Microplastics
- Soil Health Management
- Agroecosystems and Environment
- Natural Hazards and Disaster Management
- Remote Sensing and Geoinformatics



## Keynote Presentations



**Paul Ekins**, University College London, UK  
**Mitigating Climate Change: A Reality Check**



**Jason Hall-Spencer**, University of Plymouth, UK  
**The ecosystem effects of ocean acidification**



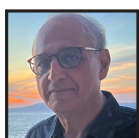
**Mira Petrovic**, Catalan Institute for Water Research (ICRA), Spain  
**Urban Runoffs: Investigating Chemical Changes During Extreme Weather Events**



**Ivet Ferrer**, Polytechnic University of Catalonia, Spain  
**Bio-based products and bioenergy recovery from waste streams in the framework of a circular bioeconomy**



**Constantinos Sioutas**, University of Southern California, USA  
**Investigating Temporal Variations of Water-Soluble Organic Carbon in Fine PM in Los Angeles**



**Hamid R Habibi**, University of Calgary, Canada  
**Assessment and Adverse Health Impact of Environmental Contaminants in Southern Alberta, Canada**

## Oral Presentations

### Environmental Pollution: Causes and Control

**Luiza C Campos**, University College London, UK  
**Sustainable Microplastics Remediation: Addressing Challenges and Exploring Effective Solutions**

**Lei Tong**, China University of Geosciences, China  
**Environmental pollution and transport of antibiotics in riparian zone**

**Bruna Gumiero**, University of Bologna, Italy  
**Citizen Science activities in monitoring river ecosystems means many benefits**

**Patricio Perez**, University of Santiago, Chile  
**The effect of a copper foundry on SO<sub>2</sub> levels in small coastal city in Chile**

**Joao P M Torres**, Federal University of Rio de Janeiro, Brazil  
**Environmental Pollution in Brazil: X-Ray Fluorescence and Mass Spectrometry to go beyond Heavy Metals, POPs in fish and bird feathers and the Amazon gold rush**

**Sarit Agami**, Hebrew University of Jerusalem, Israel  
**Atmospheric conditions leading to buildup of benzene concentrations in urban areas in Israel**

**Saima Farooq**, University of Nizwa, Oman  
**Heterogenous semiconductor photocatalysis for wastewater treatment**

**Wayne Ott**, Stanford University, USA  
**Secondhand PM2.5 from Marijuana Smoking versus Tobacco Smoking**

**Laura Megido**, University of Oviedo, Spain  
**Should settleable particulate matter be incorporated into pollution control strategies?**

**Jean Philippe Bellenger**, University of Sherbrooke, Canada  
**Large-scale biomonitoring of multiple contaminants in atmospheric deposition in Eastern Canada**

**Nhamo Chaukura**, Sol Plaatje University, Republic of South Africa  
**The environmental geochemistry and public health risks of heavy metals in roadway dust in Kimberley, South Africa**

**Tumelo Mashile Sol Plaatje**, University, Republic of South Africa  
**Monitoring of Atmospheric Mercury in the Northern Cape Province of South Africa**

**Yasarapu Sathish**, IIT-Bombay, India  
**Size-resolved characterization of primary and secondary carbonaceous aerosols in the urban atmosphere of Mumbai**

**Youssef F Lawgali**, University of Benghazi, Libya  
**Triticum durum L. and Triticum aestivum L., two Mediterranean wheat varieties, are screened for levels of arsenic in their grain**

**Abdul Rahman Abdul Latip**, University of Malaysia, Terengganu, Malaysia  
**Integrating Coral Health Assessment into Marine Spatial Planning for Sustainable Conservation of Coral Reefs in Pulau Redang**

## Climate Change: Challenges and Mitigation

**Susmita Dasgupta**, The World Bank, USA  
**Identifying and Monitoring Priority Areas for Methane Emissions Reduction**

## Forest Conservation and Management

**Naghmeh Sharifi**, Islamic Azad University, Iran  
**Developing a Model for Zoning Protected Areas Based on the Entropy Shannon Technique (Case Study: Mangrove Protected Area)**

## Hydrology and Water Resource Management

**Joe Magner**, University of Minnesota, USA  
**Climate Change, Agricultural Drainage and Water Storage in the Upper Midwestern USA**

**Armando Di Nardo**, University of Campania Luigi Vanvitelli, Italy  
**SWANP: Empowering Water Utilities with Advanced Hydraulic Analysis and Network Partitioning**

## Urban Ecosystem

**Natasha Picone**, National University of the Center of the Buenos Aires Province, Argentina  
**Urban Climate: how it can boost the development of sustainable cities?**

## Environmental Impact Assessment

**Matthew Bellgard**, University of East London, UK  
**Impact Assessment (IA) 5.0: Open source frameworks to enable the transition from project-level IA to addressing 21st century global drivers**

**Elena Orlo**, University of Campania Luigi Vanvitelli, Italy  
**Eco-genotoxicity and oxidative stress of Polystyrene, Acyclovir and Imidacloprid in Ceriodaphnia dubia**

**Chiara Russo**, University of Campania Luigi Vanvitelli, Italy  
**Combination of Polystyrene microplastic particles with pesticides and antiviral drugs: eco-genotoxicity in Ceriodaphnia dubia**

**Susanne Heise**, Hamburg University of Applied Sciences, Germany  
**Effects of the Rare Earth Elements on Freshwater Organisms**

**Lieven Bervoets**, University of Antwerp Belgium  
**Per- and polyfluorinated substances (PFAS) in the environment near a hot-spot in Antwerp (Belgium): 25 years of research on distribution, accumulation and effects**

**Pilar Sandin Espana**, Spanish National Research Council, Spain  
**Considering the stereoisomerism of chiral herbicides in the environment. Profoxydim case study**

## Environmental Modelling

**Offir Inbar**, Tel-Aviv University, Israel  
**Analyzing the secondary wastewater-treatment process using Faster R-CNN and YOLOv5 object detection algorithms**

## Environmental Technology

**Eri Yoshida**, Toyohashi University of Technology, Japan  
**Reversible Capture and Release of Carbon Dioxide Using Polyamine**

**María del Pilar Fernández Poyatos**, University of Jaén, Spain  
**Degradation of organic pollutants from water using a cobalt ferrite catalyst**

**Inmaculada Velo Gala**, University of Granada, Spain  
**Visible-light photocatalytic activation of chlorine by graphitic carbon nitride for water treatment**

**Rosa Pinto**, University of Barcelona, Spain  
**Learning SARS-CoV-2 Variant Dynamics through Wastewater Surveillance**

**Albert Bosch**, University of Barcelona, Spain  
**Enterovirus surveillance in Spanish wastewater in the present situation of polio eradication**

**Aree Choodum**, Prince of Songkla University, Thailand  
**Eco-friendly Adsorbent for Dye Removal**

**Worawit Wongniramaikul**, Prince of Songkla University, Thailand  
**Integrated Biodegradable Material for Augmented Nitrate Removal in Water**

**Belkys Polo-Cambronell**, Industrial University of Santander, Colombia  
**Development of nanofertilizers based on natural zeolite for the reduction in the use of conventional fertilizers**

## Ecosystem Services and Biodiversity Conservation

**Brian Blankespoor**, The World Bank, USA  
**Estimating Extinction Risks with Species Occurrence Data from the Global Biodiversity Information Facility**

**Alba Ardura**, University of Oviedo, Spain  
**Rivers: source of energy and preservation of biodiversity, is this possible?**

## Sustainable Energy Transitions

**Spielhofer Reto**, Norwegian Institute for Nature Research, Norway  
**Spatial optimization for wind energy planning**

## Circular Economy

**Madeleine Larsson**, Linköping University, Sweden  
**Towards a more circular biobased economy and nutrient use – The role of biogas systems**

**Hans Andersson**, Linköping University, Sweden  
**Biofertilisers from biogas plants – a case for more efficient nutrient recycling**

**Trine Eggen**, Norwegian Institute of Bioeconomy Research (NIBIO), Norway  
**Sustainable management of organic materials with high pesticide content from flower and greenhouse industry**

**Wolfram Simon**, Wageningen University and Research, Netherlands  
**Protein transition meets circularity at an animal-to-plant ratio of 40:60 in healthy European diets**

## Environmental Toxicology and Human Health

**Andrzej R Reindl**, Medical University of Gdansk, Poland  
**Rare Earth Element Dynamics- Implications for Environmental Toxicology and Human Health**

**Myung Geol Pang**, Chung-Ang University, Republic of Korea  
**Multigenerational and transgenerational Impacts of Endocrine Disrupting Chemicals on Male Reproduction**

**Ramatu Idris Sha'aba**, Ahmadu Bello University, Nigeria  
**The physiology, antioxidant response, and biochemical composition of *Microcystis aeruginosa* (Cyanobacteria) and *Chlorella sorokiniana* (Chlorophyta) is altered by Paracetamol (Acetaminophen)**

## Soil Health Management

**Jordan Vink**, University of New South Wales, Australia

**Developing the first fungal toxicity test for Antarctica using an endemic fungal species**

## Remote Sensing and Geoinformatics

**Michael P Peterson**, University of Nebraska at Omaha, United States

**Visualizing Climate Change: Depicting Change in a Changing World**

## Agroecosystems and Environment

**Yasuo Mitsui Nakamaru**, Tokyo University of Agriculture, Japan

**Does increased use of organic fertilizer threaten aquatic ecosystem?**

**Maria Elena Mendez Lopez**, Center for Research in Geospatial Information Sciences, Mexico

**Territorial studies of the mayan milpa**

**Elsai Mati Asefa**, Haramaya University, Ethiopia

**Assessing the Impacts of Pesticide Use on Freshwater Ecosystems in Sub-Saharan Africa: Insights from Agroecosystems in Ethiopia**

## Poster Presentations

### Environmental Pollution: Causes and Control

**Abdullahi Bala Alhassan**, Ahmadu Bello University, Nigeria

**Nutrient and physicochemical properties as potential causes of stress in mangroves of the central Red Sea**

**Shruti Tripathi**, IIT-Bombay, India

**Carbonaceous aerosol composition and characterisation in an urban coastal city Mumbai**

### Waste Production and Management

**Dohee Kwon**, Hanyang university, Republic of South Korea

**Strategic conversion of plastic containers with food waste into energy through thermo-chemical processes**

**Jung-Hun Kim**, Hanyang university, Republic of South Korea

**Conversion of Toxic Chemicals into Syngas through CO<sub>2</sub>-assisted Catalytic Pyrolysis of Insulation Material Waste**

### Environmental Technology

**Stavroula Panagiotidou**, Technical University of Crete, Greece

**Syngas Production Rich in H<sub>2</sub> from Steam Gasification of Agro-industrial Wastes, Integrated with CO<sub>2</sub> Capture by Concrete Wastes and Use of Potassium and Red Mud Catalysts**

**Tarawee Taweekarn**, Prince of Songkla University, Thailand  
**Impact of Calcium Silicate Hydrate Content in Porous Concrete Composites on Continuous Flow Phosphate Removal from Water**

## Ecosystem Services and Biodiversity Conservation

**Brian Blankespoor**, The World Bank, USA  
**Toward Better Conservation: A Spatial Analysis of Species Occurrence Data from the Global Biodiversity Information Facility**

## Environmental Toxicology and Human Health

**Sitara Anjum**, University of the Punjab, Pakistan  
**Harmful impacts of synthetic chemical on endocrine system by using cosmetic**

## Natural Hazards and Disaster Management

**Montri Choowong**, Chulalongkorn University, Thailand  
**Historical and Modern Records of Coastal Disasters from the Andaman Sea and Gulf of Thailand; Progress in Geological Research and Mitigation**

## Environmental Protection and Restoration

**Alice Nare**, IRSAT, Burkina Faso  
**Implémentation of biobed for pesticides in rinsate water degradation in Burkina Faso**

## Circular Economy

**Getachew Alamnie**, Mekdela Amba University, Ethiopia  
**Production and biochemical characterization of keratinase enzyme from B. Subtilis ES5 and its potential application in leather dehairing process: A clean leather tanning process**

## Environmental Modelling

**Michele Mossa**, Polytechnic University of Bari, Italy  
**Jet-like flows in a vegetated sea and river current**



## Presentation Slots Available!!!



## Interested In Collaboration and Exhibition!!

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We Wish to See You at

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