

# Scientific Program

## The Global Symposium on Earth–Environment–Energy–Food Sciences



**Hotel Name: Hampton by Hilton Rome North Fiano Romano**

**Address: Località Bei Poggi, 00065 Fiano Romano RM, Italy**

**November 17, 2025 | Rome, Italy**



**MINDSPACE**  
CONFERENCES

November 17 -2025

Meeting Room : Flavia

08:30-08:50 Registrations

08:50- 09:00 Opening Ceremony

09:00-09:10 Introduction



## Keynote Forum

09:10AM -09:35 AM



**Title** : From Conflict to Collaboration: Building a Sustainable Future for Social Forestry in Java

**Prof. Dr. H. Mohammad Adib**

Airlangga University Surabaya, Indonesia

09:35AM -10:00 AM



**Title** : The Novel Multi-Angled Façade Configuration and Its Impact on Energy Performance and Office Space Sustainability

**Dr. Loay Hannoudi**

Middlesex University, United Kingdom

## Oral Presentation

10:00AM -10:20 AM



**Title** : Energy-Efficient Thermal Simulation of a High-Power LiFePO<sub>4</sub> Battery Module with Active Cooling for Biomedical Applications

**Prof. Gotsiridze Irine**

Georgian Technical University, Georgia

10:20AM -10:40 AM



**Title** : Biodiversity Corridors in Vietnam's Central Annamite Landscape: Connecting Protected Areas to Enhance Wildlife Conservation and Landscape Connectivity

**Dr. Nguyen Van Tri Tin**

Southern Cross University, Australia

10:40 AM -11:00 AM

Refreshment Break & Photography Session

11:00AM -11:20 AM



**Title** : Optimizing P2P Energy Markets: A Multi-Objective Approach to Prosumers' Trading Decisions

**Dr. Zakhirehkar Sahih**

University of New South Wales, Australia

11:20AM -11:40 AM



**Title :** Environmental Science in Tiger Work: Stories, Essays and Poems about Climate Change (2023) – Sir Ben Okri’s Aesthetics of Necessity

**Dr. Rosemary Gray**

**University of Pretoria, South Africa**

11:40 AM -12:00 PM



**Title :** Soilless Agriculture: Growing Without Limits

**Dr. Khaled Alakeel**

**King Abdulaziz City for Science and Technology, Saudi Arabia**

12:00PM -12:20 PM



**Title :** Estimation of Household Flexibility Potential for Smart Operation of Distribution Grids

**Dr. Sabrina Krähmer**

**Technische Hochschule Ulm , Germany**

12:20PM -12:40 PM



**Title :** Strategic Insights into Urban Green Infrastructure: Planning Sustainable Cities through the understanding of Land Use and Ownership Dynamics

**MS. Alejandra Narváez Vallejo**

**University of Stuttgart, Germany**

12:40 PM - 13 :00 PM



**Title :** Steady state and stability performance of Natural circulation Loops for various applications

**Ms. Swati Gangwar**

**Indian Institute of Technology, India**

13:00PM -14:00 PM

**Lunch Break**

14:00 PM -14:20 PM



**Title :** Incorporation of Health at the Heart of Sustainable Development and Future Smart Cities

**Dr. Jwngma Basumatary**

**School of Planning and Architecture, India**

14:20 PM -14:40 PM



**Title** : Predicted Feasibility and Economic Return of Drainage Water Recycling in an Arid Region

**Dr. Sina Kosari**

University of Tehran, Iran

14:40 PM -15:00 PM



**Title** : Quantifying Public Sentiment on Climate Change: Insights from Sentiment Analysis

**Prof. Nor Fariza Mohd Nor**

National University of Malaysia, Malaysia

15:00 PM -15:20 PM



**Title** : Underutilized Food Plants and their Potential Contribution to Food Security: Lessons Learned from the Local Context

**Dr. Fernando Barrios**

University of Caen, Normandy

15:20 PM -15:40 PM



**Title** : Utilizing of Iron Filings in Geopolymer Mortar as a Target for Climate Change Mitigation

**Dr. Mohamed Fouad A Abdu**

Housing and Building National Research Center (HBRC), Egypt

15:40 PM - 16:00PM



**Title** : Isolation and Optimization of a Bacterial Consortium for Effective Cadmium Removal through Mixture Design Approaches

**Ms. Athira V. M**

National Institute of Technology, India

16:00 PM - 16:20 PM : Coffee Break (20 min)

16:20 PM -16:40 PM



**Title** : SWOT-based strategic planning for sustainable Pacific oyster (*Magallana gigas*) aquaculture in Baja California, Mexico

**Dr. Mary Carmen Ruíz-de la Torre**

Autonomous University of Baja California , Mexico



16:40 PM - 17:00 PM



**Title** : On Projection of Future Climate Extremes Under Global Warming with Emphasis on Iran

**Dr. Mostafa Naderi**

**Institute for Advanced Studies in Basic Sciences, Iran**

17:00 PM - 17:20 PM



**Title** : Interfacial engineering approach for enhanced degradation of methylene blue using platinum-coated polystyrene rough particles: Flow-regulated catalytic activity and kinetic modeling

**Dr. Manigandan Sabapathy**

**Indian Institute of Technology Ropar, India**

17:20 PM - 17:40 PM



**Title** : Modelling inorganic Arsenic in rice in relation to soil environmental factors using machine learning approach

**Dr. Supriya Majumder**

**RIMT University, India**

17:40 PM - 18:00 PM



**Title** : Sustainable Agriculture through the Application of Biostimulants: Life Cycle Analysis in Europe ( Oral Presentation )

**Ms. Sahar Azarkamand**

**UNESCO Chair in Life Cycle and Climate Change , Spain**

18:00 PM - 18:20 PM



**Title** : Retail cheese packaging, labeling, and market trends

**Ms. Deb Jasperson**

**Clemson University in South Carolina, USA**

18:20PM - 18:40 PM



**Title** : New Perspectives on Bakery Products with Functional Properties and Enhanced Nutritional Benefits

**Dr. Giusy Rita Caponio**

**University of Bari Aldo Moro, Italy**

18:40PM - 19:00 PM



**Title :** Potential of Mountain Forest Ecosystems to Provide Ecosystem Services “Cultural heritage” – case study “Pirin” National Park, Bulgaria

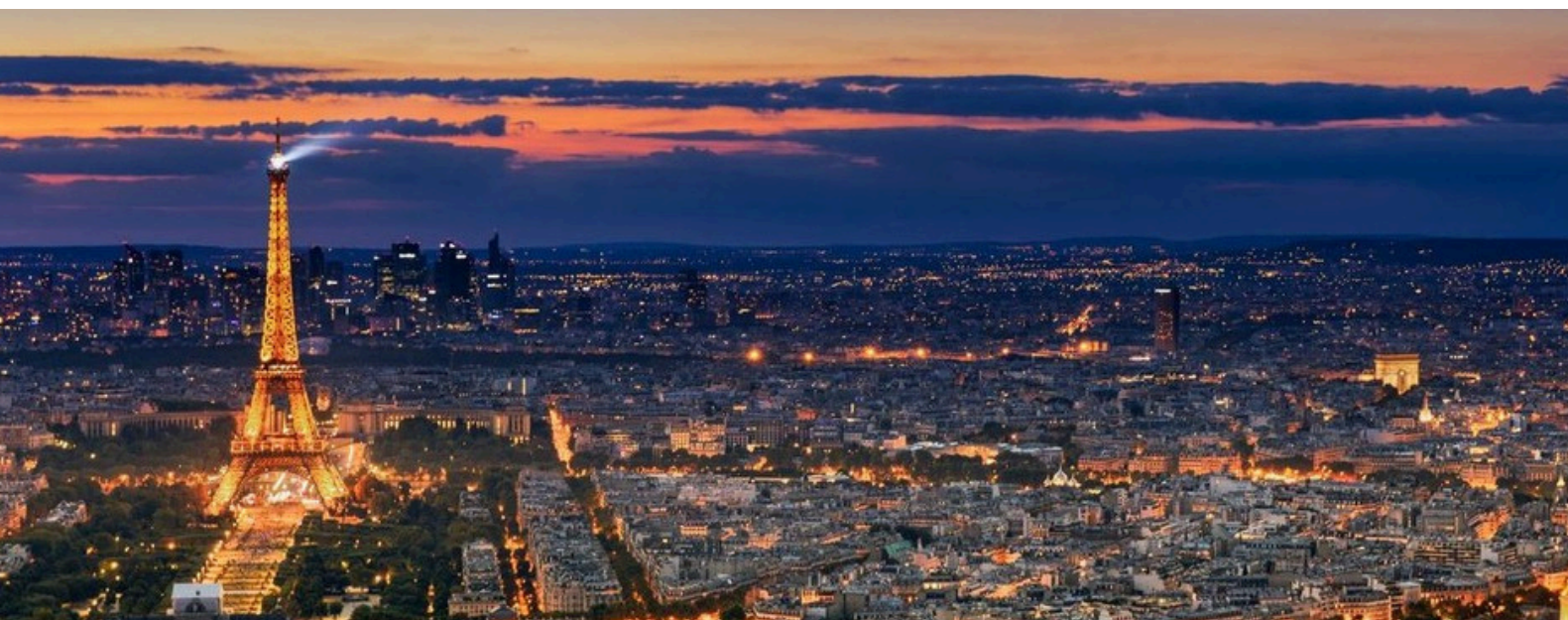
**Dr. Maria Glushkova**

**Forest Research Institute - Bulgarian Academy of Sciences**



***Stay Tuned For 3rd International Conference On***  
**ENVIRONMENTAL SCIENCE, GREEN ENERGY & PLANT SUSTAINABILITY**

**November 16-18, 2026 | Paris, France**



***Stay Tuned For 3rd International Conference On***  
**FOOD SCIENCE & NUTRITION**

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*Thank You*

