



4TH WORLD CONGRESS ON
CLIMATE CHANGE AND ECOSYSTEM

October 06-07, 2025 Madrid, Spain

SCIENTIFIC PROGRAM

AGENDA

October 06-07, 2025

08:45-09:00

Opening Ceremony

Major Sessions: Environmental Health | Global Warming | Ecosystem & Ecology | Climate Change & Sustainability | Agriculture & Food Security | Waste Management and Treatment | Ecosystem Rehabilitation | Biodiversity Conservation | Environmental Technology | Environmental Hazards | Human Impact on Environment | Forest management | Climate Change and Mental Health

Day 1

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| 09:00-09:30 | Title: Global climate change and the rise of sea level. Are we returning to consumption of halophytes?

Mr. Vadim S. Volkov Timiriazev Institute of Plant Physiology Russia |
| 09:30-10:00 | Title: Ecosystem services assessment of soil and water conservation based on scenario analysis method in a red soil hilly catchment of Southern China

Dr. Liying Sun Chinese Academy of Sciences China |
| 10:00-10:30 | Title: Exploring Current Status and Evolutionary Trends on the Paid Use of State-Owned Forest Resources in China: A Bibliometric Perspective

Dr. Xue Wei Beijing Forestry University China |
| 10:30-11:00 | Title: Review analysis on livestock & protein sourcing for food security & carbon emission by sustainable, low cost, emission free, green technologies.

Dr. Khalid Hasan Rafi China University of Mining & Technology China |
| 11:00-11:30 | Title: Performance Evaluation of Solar Water Heater Integrated Photovoltaic Panel

Dr. Khodadad Mostakim Rajshahi University of Engineering & Technology Bangladesh |
| 11:30-12:00 | Title: A comparative study of light pollution scenario during recent years in Bangladesh and it's bad effect on the environment

Dr. Mehedi Hasan Rajshahi University of Engineering & Technology Bangladesh |

- 12:00-12:30 Title: Assessing COVID-19 impacts on Agricultural Food Production among Smallholder Farmers in Northern Drakensberg Areas of KwaZulu Natal, South Africa
Dr. Bonginkosi E. Mthembu | Mangosuthu University of Technology | South Africa
- 12:30-13:00 Title: Establishing empirical models for predicting forest carbon uptake using seven environmental drivers
Dr. You-Ren Wang | University of Oslo | Norway
- 13:00-13:30 Title: Optical remote sensing for Glacier monitoring: case studies in Chile
Dr. Guido Staub | University of Concepción | Chile
- 13:30-14:30 Title: Greening Urban Areas with Decentralized Wastewater Treatment and Reuse: A Case Study of Ecoparque in Tijuana, Mexico
Dr. Gabriela Munoz-Melendez & Dr. Lina Ojeda-Revah | El Colegio de la Frontera Norte | Mexico
- 14:30-15:00 Title: Identification and characterization of Peruvian native bacterial strains as bioremediation of Hg-polluted water and soils due to Artisanal and Small-Scale Gold Mining in the Secocha Annex, Arequipa
Ms. Patricia Lopez Casaperalta | Catholic University of Santa María | Peru

Day 2

- 09:30-10:00 Title: Leveraging Autonomous Technology to Build Climate-Resilient Agriculture: A Case Study of Digital Cotton Field in China
Dr. Justin Gong | Co-founder of XAG Co., LTD | China
- 10:00-10:30 Title: Role and Effect of Nanomaterials in The Production of Biodiesel Based on Feedstock
Dr. Farjana Akhter Supty | Rajshahi University of Engineering & Technology | Bangladesh
- 10:30-11:00 Title: Evaluation of Future Streamflow in the Upper Part of the Nilwala River Basin (Sri Lanka) under Climate Change
Dr. Imiya Chathuranika | Sri Lanka Institute of Information Technology | Sri Lanka
- 11:00-11:30 Title: Comparative analysis of Gordonia strains genomes capable of utilizing dibenzothiophene
Dr. Ekaterina Frantsuzova | Institute of Biochemistry and Physiology of Microorganisms | Russian Federation

- 11:30-12:00 **Title:** Dynamics of the taxonomic structure microbiome of the arable land
Dr. Yulia Kocharovskaya | Pushchino Scientific Center for Biological Research of the Russian Academy of Sciences | Russian Federation
- 12:00-12:30 **Title:** Detecting harmful algal blooms with new biotechnological tools
Dr. Anna Toldra Filella | KTH Royal Institute of Technology | Sweden
- 12:30-13:00 **Title:** Prioritising climate change adaptation for housing in Wales, UK
Dr. Carolyn Hayles | Cardiff Metropolitan University | United Kingdom
- 13:00-13:30 **Title:** Population Status and Ecology of the Steno-Endemic Fairy Shrimp *Chirocephalus sibyllae* Cottarelli and Mura, 1975 Inhabiting a Mountain Temporary Pond (Central Italy)
Dr. Barelli Maria Gaetana | G. Peano scientific high school | Italy
- 13:30-14:00 **Title:** Microplastics and associated chemicals: methods, interactions, and perspectives
Dr. Virgínia Cruz Fernandes | Superior de Engenharia do Porto | Portugal
- 14:00-14:30 **Title:** BIM for Landscape Design Improving Climate Adaptation Planning: The Evaluation of Software Tools Based on the ISO 25010 Standard
Dr. Evelina Keibach | Middlesex University | UK
- 14:30-15:00 **Title:** Integrated Sand Resources Utilization in Agriculture and “Sponge City” Construction
Dr. Yuming Su | State Key Laboratory of Silica Sand Utilization | USA

Panel Discussion

Thanks Giving & Closing Ceremony