

3rd Global Summit on
**Advances in Earth Science
and Climate Change**



SEPTEMBER 26-27

2024

BARCELONA, SPAIN

SCIENTIFIC PROGRAM

ADV. ESCC 2024

<https://advanced-earth-climate-change.peersalleyconferences.com/>

DAY 1

SEPTEMBER 26, 2024

Scientific Program

08:30-08:55 Registrations

08:55-09:10 Opening Ceremony

Session
Moderator

Jessica Argenta, University of Missouri - Research Scientist Soybean Breeding and Genetics, USA

Session Chair **Jude Currivan**, WholeWorld-View, UK

Topics: Earth Science | Climate Change | Soil Science | Climate Change and Human Health | Renewable Energy | Green Technology Innovation | Climate Resilient Infrastructure | Pollution Control | Biodiversity | Atmospheric Chemistry | Natural Hazards | Oceanography | History of Pandemics Effect on Climate Change | Sewage Treatment

Distinguished Speaker Talks

09:10-09:30

Title: Developing climate-smart soybean varieties: Innovations for a resilient future

Jessica Argenta, University of Missouri - Research Scientist Soybean Breeding and Genetics, USA

09:30-09:50

Title: How an emergent cosmology of a nonlocally unified, meaningfully informed and holographically manifested Universe can underpin and frame the biological embodiment of quantum entanglement

Jude Currivan, WholeWorld-View, UK

09:50-10:10

Title: Climate adaptation and water protection

Lorrilee McGregor, NOSM University, Canada

10:10-10:30

Title: Optimization of carbon sinks and biodiversity when converting Norway spruce to beech forests in Austria

Eduard Hochbichler, University of Natural Resources and Life Sciences, Austria

10:30-10:50

Title: Traditional research methods are still powerful approaches, whereas machine learning methods face shortcomings: A case study on the development of a gas warning system

Robert M.X. Wu, University of Technology Sydney, Australia

Group Photo 10:50-10:55

Refreshment Break 10:55-11:10

11:10-11:30	<p>Title: Recovery of Zn and Cu from municipal solid waste incineration fly ash by integrating ammonium leaching and ammonia removal</p> <p>Pengfei LI, <i>Kyushu University, Japan</i></p>
11:30-11:50	<p>Title: Potential for CO₂ mitigation through the use of wood in construction: The impact of different production chains</p> <p>Katia Regina Garcia Punhagui, <i>UNILA - Federal University of Latin American Integration, Brazil</i></p>
11:50-12:10	<p>Title: Hydrogen production from renewable energy: Current status, prospects and challenges</p> <p>Qia Wang, <i>Institute of Quantitative and Technological Economics (IQTE), Chinese Academy of Social Sciences, China</i></p>
12:10-12:30	<p>Title: The effects of heat waves on hospital admission and death rates in the Fethiye province of TURKEY</p> <p>Yunus OZTURK, <i>Fethiye, Turkey</i></p>
12:30-12:50	<p>Title: Forging pathways: Innovative financing for nature-based climate adaptation</p> <p>Sylvie Van Damme, <i>University of Antwerp, Belgium</i></p>
Group Photo 12:50-12:55	
Lunch Break 12:55-13:40	
Session Moderator	Daniel DeArmond , <i>Instituto Nacional de Pesquisas da Amazônia, Brazil</i>
Session Chair	Jude Currivan , <i>WholeWorld-View, UK</i>
13:40-14:00	<p>Title: The challenges of sustainable forest operations in Amazonia</p> <p>Daniel DeArmond, <i>Instituto Nacional de Pesquisas da Amazônia, Brazil</i></p>
14:00-14:20	<p>Title: Risk management in humanitarian supply chain based on FMEA and Grey Relational Analysis</p> <p>Glenda B. Minguito, <i>Ateneo de Davao University, Philippines</i></p>
14:20-14:40	<p>Title: Standing up for public benefit: An exploration of the attitudes of investment process participants. "Who will guard the guards themselves?"</p> <p>Agnieszka Kępkowicz, <i>University of Life Sciences in Lublin, Poland</i></p>
14:40-15:00	<p>Title: Yanomami medicinal plants with potential application in dermatology: A review</p> <p>Juliano Borges, <i>Universidade Federal do Rio de Janeiro, Brazil</i></p>

15:00-15:20 Title: **Women's health in perspective of climate change and the role of Midwife and Nurse**
Sema ÜSTGÖRÜL, *Manisa Celal Bayar University, Turkey*

15:20-15:40 Title: **Effect of salinity, stocking density and their interactive effects on growth performance, digestive and metabolic enzyme activities of juvenile *Penaeus vannamei* reared in inland saline water**
Gopal Krishna, *ICAR-Central Institute of Fisheries Education, Mumbai, India*

15:40-16:00 Title: **Thermal remote sensing for marine freshwater identification**
Hussein Harahsheh, *AL Al Bayt University, Jordan*

Refreshment Break 16:00-16:15

16:15-16:35 Title: **Large-scale economic production of sustainable aviation fuels in Europe**
Ralph-Uwe Dietrich, *German Aerospace Center, Institute of Engineering Thermodynamics, Germany*

16:35-16:55 Title: **The role of fossil fuels in changes of atmosphere and hydrosphere; Focusing on the Middle East and Iran**
Mansour Ghorbani, *Shahid Beheshti University, Iran*

16:55-17:15 Title: **Sulfide ores of deposits in the South of the Siberian Craton**
Bronislav Gongalsky, *Institute of Geology of Ore Deposits, Petrography, Mineralogy and Geochemistry RAS, Russia*

17:15-17:35 Title: **Bisphenol-A exposure alters liver, kidney, and pancreatic Klotho expression by HSP60-activated mTOR/autophagy pathway in male albino rats**
Ezat Abdelmonem Mersal, *Assiut University, Egypt*

17:35-17:55 Title: **Agile leadership: Empowering female managers in addressing climate change**
Maria Palazzo, *Universitas Mercatorum, Italy*

Panel Discussion

End of Day 1



DAY 2

SEPTEMBER 27, 2024

Scientific Program

08:35-08:40 Introduction

Topics: Earth Science | Climate Change | Soil Science | Climate Change and Human Health | Renewable Energy | Green Technology Innovation | Climate Resilient Infrastructure | Pollution Control | Biodiversity | Atmospheric Chemistry | Natural Hazards | Oceanography | History of Pandemics Effect on Climate Change | Sewage Treatment

Distinguished Speaker Talks

08:40-09:00



Title: Seismic wave simulation with the lattice Boltzmann and lattice spring model coupled schemes

Muming Xia, *China University of Geosciences, Beijing, China*

09:00-09:20

Title: Leveraging energy-efficient high-performance computing with Flamingo Search Algorithm for sustainable precision agriculture in the context of climate change adaptation

Paul Rodrigues, *King Khalid University, Saudi Arabia*

09:20-09:40

Title: Compositional insight into sustainable firefighting foam for strategic applications

Durgesh Nandini, *Defence R & D Organization, India*

09:40-10:00

Title: Plant extract preparation and green synthesis of silver nanoparticles using *Swertia chirata*: Characterization and antimicrobial activity against selected human pathogens

Muhammad Adnan Shereen, *Kohsar University Murree, Pakistan*

10:00-10:20

Title: Assessment of the links between climate, air pollution, and human health: Effects, adaptation measures, and mitigation approaches

Oumaima EL GHAMMAD, *Mohammed V University, Morocco*

Panel Discussion

End of Day 2

DAY 2

SEPTEMBER 27, 2024

Scientific
P r o g r a m

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September 2025