



IN-PERSON CONFERENCE

PROGRAM- AT-A-GLANCE



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

**Exclusively for
Virtual Speakers**

**Virtual Presentations
Conducted through
CISCO Webex**

**BOOKMARK
YOUR DATES**

4th Global Summit on

**Advances in
Earth Science
and Climate Change**

September 2025 | Berlin, Germany



VIRTUAL CONFERENCE

PROGRAM- AT-A-GLANCE



Virtual Event

3rd Global Summit on

Advances in Earth Science and Climate Change

SEPTEMBER 26-27, 2024



SCIENTIFIC PROGRAM

ADV. ESCC 2024

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

DAY 1

SEPTEMBER 26, 2024

Scientific Program

BST - British Summer Time

06:45-07:00 Opening Ceremony

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

07:00-07:20

Title: Energy application of fullerene nanowhiskers and related fullerene nanomaterials

Kun'ichi Miyazawa, *Tokyo University of Science, Japan*

07:20-07:40

Title: Application of space technology to combat climate change in China: Status quo, shortcoming, and possible ways out

Yongliang Yan, *Beijing Jiaotong University, China*

07:40-08:00

Title: AI-empowered educational metaverse for climate change awareness and mitigation: An interdisciplinary approach

Dongxing Yu, *Sanda University, China*

08:00-08:20

Title: Constructing the efficacy of adaptive capacity-building strategies in earthquake-prone communities

Bih-Chuan Lin, *Da-yeh University, Taiwan*

08:20-08:40

Title: Exploring spatial transformation through Le Corbusier's concept of 'unlimited growth': A case study of university campus space adaptation

Xuan-Xi Wang, *Dayeh University, Taiwan*

08:40-09:00

Title: Eisenhower's cold war in Greenland and climate change

David M. Watry, *University of Malta, Malta*

09:00-09:20

Title: Asphalt mixtures incorporating electric arc furnace slag and basic oxygen furnace slag as partial replacement for conventional aggregates in road construction

Naveen GM, *Government Engineering College, Kushalnagar, India*

09:20-09:40

Title: Upper-air meteorological elements in climate study

Rajasri Sen Jaiswal, *Gopalan College of Engineering, India*

Refreshment Break 09:40-09:55

09:55-10:15

Title: Nature-like mining technology - A local solution to global problems

Kalabin Gennady V and Galchenko Yuri, *Institute for Problems of Integrated Development of Subsoil named after Academician N.V. Melnikov of the Russian Academy of Sciences, Russia*

10:15-10:35

Title: Development of the biological turnover theory

Argenta A. Titlyanova, *Institute of Soil Science and Agrochemistry of the Siberian Branch of the Russian Academy of Science, Russia*

10:35-10:55

Title: Comparative predictions of turbulent non-isothermal flow of a viscoplastic fluid with yield stress

Maksim Pakhomov, *Kutateladze Institute of Thermophysics, Siberian Branch of the Russian Academy of Science, Russia*

Uzak Zhapbasbayev, *Satbayev University, Kazakhstan*

10:55-11:15

Title: Complex restoration of oil-contaminated soils with new reagents containing multicomponent alloys

Akhanova Tanzilya Rinatovna, *Satbayev University, Kazakhstan*

11:15-11:35

Title: How accurate can be the information on the building stock of a large city for seismic analysis

Carlos Sousa Oliveira, *Universidade de Lisboa, Portugal*

11:35-11:55

Title: Nurturing innovative work behaviour through workplace learning among knowledge workers of small and medium businesses

Syed Tanveer Hussain Shah, *Abdul Wali Khan University, Pakistan*

11:55-12:15

Title: Impact of diversity management on organizational performance in hotel organizations: A conceptual framework

Astha Bhanot, *Princess Nourah bint Abdulrahman University, Saudi Arabia*

12:15-12:35

Title: Effect of some biopesticides based on essential oil and plant extracts on postharvest mango stem-end rot disease caused by *Lasiodiplodia theobromae*

Yefounnigui Souleymane Yeo, *University Félix Houphouët-Boigny, Côte d'Ivoire*

Lunch Break 12:35-13:10

13:10-13:30

Title: Dendroremediation of arsenic: Time-dependent processes in selected forest tree species

Sylwia Budzyńska, *Poznań University of Life Sciences, Poland*

13:30-13:50	<p>Title: Green practices and green innovation: The mediated-moderated role of value co-creation and green creativity</p> <p>Theresa Obuobisa-Darko and Stewart Hevi, <i>Ghana Communication Technology University, Ghana</i></p>
13:50-14:10	<p>Title: Taiwan river muds from source to sink: Provenance control, inherited weathering, and offshore dispersal pathways</p> <p>Kalyani Nayak, <i>CEG Laboratories, UK</i></p>
14:10-14:30	<p>Title: Environmental sustainability and intelligence as well as general green technologies</p> <p>Jinsong Wu, <i>University of Chile, Chile</i></p>
14:30-14:50	<p>Title: Evaluating the associations between environmental contaminants, climate change, and human health outcomes within the United States</p> <p>Naveen Joseph, <i>Radford University, USA</i></p>
14:50-15:10	<p>Title: Urban climate dynamics: Analyzing the impact of green cover and air pollution on land surface temperature-A comparative study across Chicago, San Francisco, and Phoenix, USA</p> <p>Sepideh Azizi, <i>University of Illinois Urbana champaign, USA</i></p>
Refreshment Break 15:10-15:25	
15:25-15:45	<p>Title: A report on the study for rational and reliable pattern mining</p> <p>Tongyuan Wang, <i>TechEngine Plus Com, Montreal, Canada</i></p>
15:45-16:05	<p>Title: What are smart neighborhoods? A definition based on data from a city in Argentina</p> <p>María Verónica Alderete, <i>Instituto de Investigaciones Económicas y Sociales del Sur, Argentina</i></p>
Panel Discussion	
End of Day 1	



DAY 2

SEPTEMBER 27, 2024

Scientific Program

06:45-07:00 Opening Ceremony

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

07:00-07:20

Title: Exploring strategies for fostering children's risk-friendly spaces

Marion Sturges, *Western Sydney University, Australia*

07:20-07:40

Title: Acidification prior to drying of digestate solids affects nutrient uptake and fertilizer value when applied to maize

Jingna Liu, *Sun Yat-Sen University, China*

07:40-08:00

Title: A study on traditional and modern Japanese tea houses

Yun-Chia Chang, *Dayeh University, Taiwan*

08:00-08:20

Title: The exploration of intrinsic spatial fluidity: A case study of contemporary small residences in Japan

Yuan-Zhen Li, *Dayeh University, Taiwan*

08:20-08:40

Title: Exploring the spatial implications of minimalist architecture in residential spaces

Tzu-Wei Tu, *Dayeh University, Taiwan*

08:40-09:00

Title: 'From Protests to Wall Art!': Introducing Environmental Issues in Three Master Theses (Department of English, College of Arts, University of Mosul, Nineveh, Iraq)

Huda Halawachy, *University of Mosul, Iraq*

09:00-09:20
Poster

Title: Murals transform communities! 'The Artists' murals in Mosul and Erbil: A Thematic –semiotic approach

Shamal Shakir Taher, *University of Mosul, Iraq*

09:20-09:40

Title: Data-driven AI (Artificial Intelligence) detection furnishes economic pathways for microplastics

Shefali Arora, *University of Petroleum and Energy Studies (UPES), India*

Refreshment Break 09:40-09:55

09:55-10:15

Title: Targeting mineral resources with remote sensing and field techniques: A case study from South Purulia Shear Zone

Pankajini Mahanta, *Fakir Mohan University, India*

10:15-10:35

Title: The role of magnetism in the origin of Saturn's visible dense rings

Vladimir Tchernyi, *Modern Science Institute, SAIBR, Russia*

10:35-10:55

Title: Vulnerability assessment of springflow using groundwater aquifer storage-discharge model in Indian middle Himalaya

Soukhin Tarafdar, *G.B. Pant National Institute of Himalayan Environment, Garhwal Regional Centre, India*

10:55-11:15

Title: Siberian traps and Permian-Triassic mass-extinction: Do they link?

Nadezhda Krivolutskaya, *Vernadsky Institute of Geochemistry and Analytical Chemistry RAS, Russia*

11:15-11:35

Title: A climate health policy: Will it be a better approach to overcome the greatest global challenge of the 21st century? A review to explore public and public health officials' perceptions towards policy development

Lilanga Hasini Fernando Batawalage, *Edinburgh Napier University, UK*

11:35-11:55

Title: Modelling and tracing green house gases rupturing stratopause rate of the earth using radionuclides curium rutherfordium inter atomic nuclear chain reaction in space with helium nuclide

Niranjan Kumar, *Kumar International R & D Consultant Pvt Ltd, India*

11:55-12:15

Title: Rethinking Green Infrastructure as a Multifunctional Approach

Mosissa Samuel Tsegaye, Shen Zhongwei and Tekelemariam Eden, *Southwest Jiaotong University, China*

12:15-12:35

Title: Multiscale geological modelling to enhance conceptual understanding in complex environments

Hayet CHIH, *Georesources Laboratory, Centre for Water Research and Technologies, Tunisia*

Lunch Break 12:35-13:10

13:10-13:30

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*

13:30-13:50

Title: Brain re-engineering and the use of information systems (Mobile Phone App) for enhancing smallholder farmers' productivity in South Africa

Ikechi Kelechi Agbugba, *York St John University, UK and Rivers State University, Nigeria*

13:50-14:10

Title: On the values of deformation area and location of strong earthquake aftershocks on the earth's surface

Eduard Y. Khachiyani, *Institute of Geological Sciences, National Academy of Sciences of the Republic of Armenia, National University of Architecture and Construction of Armenia, Armenia*

14:10-14:30

Title: Mitigation measures of mining waste impact on the environment by reprocessing for sustainable development

Chiraz Abdelmalak Babbou, *University of Tunis El Manar, Tunisia*

14:30-14:50

Title: A tale of two cities: Report on a comparison of air pollution governance in the Los Angeles area of the USA and the Beijing-Tianjin-Hebei area of China

Wang Xi, *Shanghai Jiao Tong University, China*

Richard Ottinger, *Pace University, USA*

14:50-15:10

Title: Complex slab geometry beneath the Colombian eastern cordillera revealed by high-precision earthquake relocation

Carlos Andrés Vergara Espinosa, *Universidad Industrial de Santander, Colombia*

15:10-15:30

Title: Effect of a chitosan-based packaging material on the domestic storage of "ready-to-cook" meat products: Evaluation of biogenic amines production, phthalates migration, and in vitro antimicrobial activity's impact on aspergillus Niger

Nicoletta De Vietro, *University of Bari Aldo Moro, Italy*

Panel Discussion

End of Day 2



**BOOKMARK
YOUR DATES**

4th Global Summit on

**Advances in
Earth Science
and Climate Change**

September 2025 | Berlin, Germany