

ENVIRONSUMMIT2024



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WORLD SUMMIT ON ENVIRONMENTAL SCIENCE AND ENGINEERING

APRIL 15-17, 2024 | PORTO, PORTUGAL



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Conference Day-1

Monday, April 15, 2024

09:00-09:45 Opening Ceremony

Conference Chair: *Andre Faaij, Director of Science, TNO Energy & Material Transition, IPCC Member Utrecht University, Netherlands*

Plenary Talks

10:00-10:40 Om Parkash Dhankher, University of Massachusetts, Amherst, USA

Title: Strategies for Arsenic Phytoremediation and Limiting Arsenic Accumulation in Crops for Food Safety

10:40-11:20 Andre Faaij, Director of Science, TNO Energy & Material Transition, IPCC Member Utrecht University, Netherlands

Title: Diving below zero GHG emissions: how the energy transition and industrial transformation can deliver on climate targets, circularity and sound economics

11:20-11:45

Coffee Break

11:45-12:25 Alice C. Hughes, The University of Hong Kong, Hong Kong

Title: Science based approaches for conservation prioritisation and target setting

Keynote Talks

12:25-12:55 Hong Wang, Chinese Academy of Meteorological Sciences, China

Title: Chemistry-Weather Interacted Model System GRAPES_ Meso5.1/ CUACE CW V1.0: Development, Evaluation and Application in Better Haze/ Fog Prediction in China

12:55-14:00

Lunch and Networking

14:00-14:30 Aleksandra Bawiec, Wrocław University of Environmental and Life Sciences, Poland

Title: Nature Based Solutions for Wastewater and Urban Water Purification – Action Against Eutrophication

14:30-15:00 Romeu Vicente, University of Aveiro, Portugal

Title: Decarbonization through building technology and material science

15:00-15:30 Mònica Escolà Casas, IDAEA-CSIC, Spain

Title: Removal of Trace Organic Contaminants with Nature Based Solutions: Assessment via non-Target Analysis

15:30-16:00 Ana Carolina Maia Angelo, Fluminense Federal University, Brazil

Title: The lifecycle and circular approach towards a sustainable waste management from decommissioned subsea equipments of the oil and gas sector

16:00-16:15

Coffee Break

16:15-16:45 Cristina Marisa Almeida, CIIMAR, University of Porto, Portugal

Title: Natural and constructed wetlands to remove pollutants and potentiate water re-use

- 16:45-17:15** **Young Dok Kim**, Sungkyunkwan University, South Korea
Title: Photocatalysts for environmental remediation: studies from rutile TiO₂ to TiO₂/cement composite
- 17:15-17:45** **Shilu Tong**, National Institute of Environmental Health, China
Title: Solidarity for the Anthropocene: Challengers and Opportunities

End of Day-1 Coneference**Conference Day-2****Tuesday, April 16, 2024****Invited Talks**

- 10:00-10:25** **Khaldoun Shatanawi**, Water, Energy and Environment Center, The University of Jordan
Title: Sustainable Groundwater Resources Mangement though Remote Sensing in Water Stressed Mediterranean Areas - A Case Study of Jordan
- 10:25-10:50** **Beatrice Castellani**, University of Perugia, Department of Engineering, Italy
Title: Gas hydrate science for CO₂ storage in marine environment: experimental outcomes
- 10:50-11:15** **Wang Hongyang**, Changjiang River Scientific Research Institute, China
Title: Geomorphological Response of Restricted Meandering Channels under Reduced Incoming Sediment

11:15-11:30**Coffee Break**

- 11:30-11:55** **Alanoud Alateeq**, Ministry of health, Kuwait
Title: Respiratory Disoders, Pulmonary Function and Radiological Abnormalities Among Workers Exposed to Welding Fumes at Shuaiba Industrial Area in the State of Kuwait
- 11:55-12:20** **Ana Isabel Calvo**, Universidad de León, Spain
Title: To be confirmed
- 12:20-12:45** **Shiming Yao**, Changjiang River Scientific Research Institute, China
Title: The River-Lake relationship evolution and the eco-environmental effects in the Middle and Lower Reaches of the Yangtze River
- 12:45-13:10** **Fabian Fernandez**, University of Minnesota, USA
Title: The role of nitrogen management in subsurface-drained corn fields to mitigate nitrogen loss to the environment

13:10-14:00**Lunch and Networking**

- 14:00-14:25** **Yue Peng**, Chinese Academy of Meteorological Sciences, China
Title: Aerosol-radiation Interaction in GRAPES_Meso5.1/CUACE Model and Its Impacts on Mesoscale NWP in Beijing-Tianjin-Hebei, China
- 14:25-14:50** **Abdelilah Essecri**, Ibn Zohr University, Moraco
Title: Efficient adsorption of crystal violet dye using functionalized Argan shell: Experiments and statistical optimization modeling

14:50-15:15 **Aung Thit Htun**, Chulalongkorn University, Thailand

Title: To be Confirmed

15:15-15:40 **Lijun liao**, Qilu University of Technology, China

Title: Directed migration of high concentration of photo-generated electrons: An alternative for by-products suppression in NOx photo-SCR

15:40-16:05 **Boris A Portnov**, University of Haifa, Isarel

Title: Locational Package of Cities: Learning from the Past

16:05-16:20

Coffee Break

Poster Presentations

P-001 **Lide Chen**, Academy of Meteorological Sciences, China

Title: Ammonia Removal and Recovery from Anaerobically Digested Liquid Dairy Manure Using Vacuum Thermal Stripping

P-002 **Huiqiong Ning**, Academy of Meteorological Sciences, China

Title: The Modeling Study and Dust Source Contribution Analysis for the Sand and Dust Storms with CMA_Meso/CUACE_SDS Model in the Spring of 2023, East Asia

P-003 **Chen Han**, Chinese Academy of Meteorological Sciences, China

Title: The application study of the revised IMPROVE atmospheric extinction algorithm in atmospheric chemistry model focusing on improving low visibility prediction in eastern China

End of Day-2 Conference

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