

Global Summit on

Recycling and Waste Management

March 24-25, 2025 | Barcelona, Spain



Hosted By:

SCHOLARS CONFERENCES LIMITED

21 Clifton Road, Newcastle Upon Tyne, England

United Kingdom, NE4 6XH

+447426060443

info@scholarsconferences.com

SCIENTIFIC PROGRAM

Day 01 | March 24, 2025 | Barcelona, Spain

08:30-09:30 Registrations

09:30-09:40 Opening Ceremony

Keynote Forum

- 09:40-10:15 **Title: Landscapes of sandy areas along a rainfall gradient of 90-450 mm average rainfall**
Aaron Yair, Hebrew University, Israel
- 10:15-10:50 **Title: Global warming's "Six Americas" in agriculture: Exploring farmers' attitudes towards climate change and adaptive and mitigative responses**
J Gordon Arbuckle, Iowa State University Department of Sociology, USA

Refreshments Break @ 10:50-11:10

Speaker Session:

Session Chair: J Gordon Arbuckle, Iowa State University Department of Sociology, USA

- 11:10 - 11:35 **Title: Vulnerability, robustness and sustainability of the operation of the wastewater treatment plant and its importance for the circular economy in the light of climate change**
Vesna Mislej, Jp Vodovod Kanalizacija Snaga, Slovenia
- 11:35 - 12:00 **Title: Analysis of forest loss in the amazon region from 1990 to 2020 using remote sensing data**
Tiago Goulart, Earthworm Foundation, Brazil
- 12:00 - 12:25 **Title: DRAIN Project: An integrated urban drainage model in QGIS with IBER-SWMM**
Namrata Karki, BGEO, Spain
- 12:25 -12:50 **Title: Enhancing trommel screen efficiency in waste management using discrete element method (DEM)**
Raul Soriano, Instituto Tecnologico de Aragon, Spain

Lunch and Networking Break @ 12:50-13:40

Speaker Session:

Session Chair: Johannes Leis, Sächsisches Textilforschungsinstitut eV Chemnitz (STFI), Germany

- 13:40-14:05 **Title: Topics, trends and perspectives in the research and development on textile circularity**
Johannes Leis, Sächsisches Textilforschungsinstitut eV Chemnitz (STFI), Germany
- 14:05-14:30 **Title: Sustainable reuse of lead-acid battery waste for perovskite optoelectronics and solar cells**
Mariana Berruet, National University of Mar del Plata, Argentina
- 14:30-14:55 **Title: Increasing recycled content in circular knitted fabrics with corizon technology**
Henrike Schmitz, Technische Universität Chemnitz, Germany
- 14:55-15:20 **Title: Footwear recycling pilot plant as sustainable solution and clean technology for the industry**
Borja Mateu Romero, INESCOP, Spain
- 15:20-15:45 **Title: Problems and solutions for mechanical recycling of mixed fiber waste from knitted used textiles**
Magdalena Kohler, Technical University Chemnitz, Germany

Refreshments Break @ 15:45-16:05

- 16:05-16:40 **Title: Recovery of rare earth elements for environmental catalytic applications**
Maria Teresa de Jesus Simoes Campos Tavares, University of Minho, Portugal
Antonio Jose Guerreiro de Brito, University of Lisbon, Portugal
- 16:40-17:05 **Title: Carboneus and magnetic nanomaterials for oil/hydrocarbons removal from water**
Thamer Adnan Abdullah, University of Technology, Iraq

Panel Discussions & B2B Meeting**Day 01 End | Closing Ceremony****Day 02 | March 25, 2025 | Barcelona, Spain****08:30-09:30 : Registrations****09:30-09:45 : Opening Ceremony****Speaker Session****Session Chair: J Gordon Arbuckle, Iowa State University Department of Sociology, USA**

- 09:30-09:55 **Title: Project agro2circular and how delamination recycling enables a closed loop recycling of packaging**
Julien Davin, Saperatec GmbH, Germany
- 09:55-10:20 **Title: Beyond Data: The Power of Storytelling to Drive Ocean and Climate Action**
Neus Figueras, ICM-CSIC, Spain
- 10:20-10:45 **Title: Impact of drip emitter configuration on irrigation efficiency and soil water isotope ratios in a hazelnut orchard**
Firas Al Oqaili, University of Technology, Iraq

Refreshments Break @ 10:45-11:05

- 11:05-11:30 **Title: Oxidative liquefaction as a sustainable recycling approach for polymeric waste: Process optimization and valorization of wind turbine blades, personal protective equipment, solar panels, and municipal solid waste**
Hamza Mumtaz, Silesian University of Technology, Poland
- 11:30-11:55 **Title: End-of-life reverse osmosis membranes: Waste minimization and recycling**
Hiren D Raval, Central Salt and Marine Chemicals Research Institute, India
- 11:55-12:20 **Title: Importance of mapping in the analysis of climate change risk impacts and the pathways to resilience**
Marta Henrich Grino, Anthesis, Spain
- 12:20-12:45 **Title: Recent climate change forcings on coastal upwellings and artisanal fishery of Sardinella aurita in Venezuela**
Alexis Bellorin, National Fisheries and Aquaculture Research Center (CENIPA), Venezuela
- 12:45-13:10 **Title: From Science to Action: Youth Advocacy and Research for Effective Climate Change Policies**
Andrea Bigorra, University of Barcelona, Spain

Panel Discussions & B2B Meeting**Day 02 End | Closing Ceremony****Lunch and Networking Break @ 13:10-13:50**

Keynote Forum

14:00-14:25 **Title: A framework of recycling and waste management for establishing a resource circulation society**

Dai-Yeun Jeong, Director of Asia Climate Change Education Center, South Korea

14:25-14:50 **Title: Objectives and methods of battery recycling: A comprehensive overview**

Roger Achkar, Global Waste Cleaning Network (GWCN), UK

Speaker Session:

Session Chair: Roger Achkar, Global Waste Cleaning Network (GWCN), UK

14:50-15:15 **Title: Management of waste from post-consumer wind power farms in the brazilian scenario**
Erika Alves Tavares Marques, Universidade Federal de Pernambuco, Brazil

15:15-15:40 **Title: Wind farm decommissioning stage in Argentina**

Maria Pia Di Nanno, National Technological University, Argentina

15:40-16:05 **Title: Unpacking paper's potential**

Clara Navarro Veiga, DS Smith, United Kingdom

16:05-16:30 **Title: Measuring circular economy in cities**

Portia M Sinnott, MS+ and Springloop Coöperatie UA, USA

16:30-16:55 **Title: Adopting nature-based solutions to avoid the tipping point in the Amazon**

Carlos A Nobre, University of Sao Paulo, Brazil

E-Poster Presentation

16:55-17:20 **Title: Extreme Value Distribution of Sea Level and Statistical Estimation Theory: An Application to the Alboran Sea**

Jose Juan Alonso del Rosario, University of Cadiz, Spain

17:20-17:45 **Title: Effects of maize stalk and farmyard manure compost application on rice productivity and soil properties**

Sabeela Yaqoob, University of Agriculture, Pakistan

17:45-18:05 **Title: Analysis of the flooding of coastal areas caused by climate change. Practical case on beaches in the provinces of Cadiz and Malaga**

Antonio Contreras de Villar, University of Cadiz, Spain

18:05-18:30 **Title: Modifications in the phytochemical composition of broccoli in response to different growing temperatures**

Ivana Sola, University of Zagreb, Croatia

18:30-18:55 **Title: Phytochemical resilience and bioactivity of broccoli in response to temperature stress: Susceptible**

Ivana Sola, University of Zagreb, Croatia

18:55-19:20 **Title: Sustainable energy production from brewery solid wastes**

Vasileiadou Agapi, University of Thessaly, Greece

Panel Discussions & B2B Meeting

Day 02 In-person End | Closing Ceremony

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2nd Global Summit on Recycling and Waste Management

March 25-26, 2026 | London, UK
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