

6TH EDITION OF INTERNATIONAL CONFERENCE ON
**GREEN CHEMISTRY AND
RENEWABLE ENERGY**

INTERNATIONAL CONFERENCE ON
**ENVIRONMENTAL SCIENCE,
SUSTAINABILITY &
GLOBAL INNOVATION**

JUNE 18-20, 2026
BARCELONA, SPAIN

IN-PERSON:

Hotel Alimara
Carrer de Berruguete, 126,
Horta-Guinardó, 08035 Barcelona, Spain

VIRTUAL:

Central European Summer Time (CEST)

**THURSDAY
JUNE 18
2026**

DAY 01 | IN-PERSON @Lavorsí Room

08:00-08:50	Registrations
08:50-09:00	Opening Ceremony and Introduction
09:00-11:00	Keynote Presentations
11:00-11:30	Coffee Break
11:30-13:10	Oral Presentations
13:10-14:10	Lunch Break
14:10-16:30	Oral Presentations
16:30-17:00	Coffee Break & Poster Presentations

**FRIDAY
JUNE 19
2026**

DAY 02 | IN-PERSON @Lavorsí Room

08:30-09:00	AV Check and Introduction
09:00-10:20	Keynote Presentations
10:20-11:00	Oral Presentations
11:00-11:30	Coffee Break
11:30-12:50	Oral Presentations
12:50-13:50	Lunch Break
13:50-16:10	Oral Presentations
16:10-16:30	Coffee Break

**SATURDAY
JUNE 20
2026**

DAY 03 | Virtual Room 01 @Zoom

08:30-09:00	AV Check and Introduction
09:00-15:40	Oral Presentations
15:40-17:40	Keynote Presentations
17:40-19:20	Oral Presentations
19:20-19:40	Poster Presentations

DAY 03 | Virtual Room 02 @Zoom

08:30-09:00	AV Check and Introduction
09:00-09:40	Keynote Presentation
09:40-13:00	Oral Presentations
13:00-17:00	Keynote Presentations
17:00-18:40	Oral Presentations
18:40-19:10	Poster Presentation

Important Note

The conference follows Central European Summer Time (CEST) for both In-Person and Virtual sessions.

When the program refers to Local Timings, it means the time mentioned is in the time zone of the presenter's country.

In-Person presentations will take place at Lavorsí Room, Hotel Alimara, Barcelona, Spain. Virtual presentations will take place on Zoom and run continuously without scheduled breaks.

Please remain accessible in the hall or on Zoom throughout the day as there may be minor program adjustments due to technical issues or presenter no-shows.

Keynote Speakers



Antonio Albuquerque
University of Beira Interior, Portugal



Bayram Gunduz
Malatya Turgut Ozal University, Turkey



Carme Ferre Pavia
Autonomous University of Barcelona, Spain



Cristian Ravariu
National University of Science and
Technology Politehnica Bucharest, Romania



Dai Yeun Jeong
Asia Climate Change Education Center and
Jeju National University, South Korea



Heather M Coleman
Ulster University, Ireland



Helena Belchior Rocha
Iscte - University Institute of Lisbon (CIES),
Portugal



Hossam A Gabbar
Ontario Tech University, Canada



Oleksandr Novoseltsev
General Energy Institute of the National
Academy of Sciences of Ukraine, Ukraine



Patrick Martin
University of Artois, France



Sergey Suchkov
N.D. Zelinskii Institute for Organic Chemistry
of the Russian Academy of Sciences, Russia



Tomayess Issa
Curtin University, Australia



Viacheslav Burlov
Peter the Great St. Petersburg Polytechnic
University, Russia



Vijayan Gurumurthy Iyer
Techno-Economic-Environmental Study
and Check Consultancy Services, India



Yarub Al Douri
European Academy of Sciences, Belgium

CENTRAL EUROPEAN SUMMER TIME (CEST)

08:00–08:50	Registrations
08:50–09:00	Opening Ceremony and Introduction

Moderator:
Didier Grillot, H2D Global, France

Chairs:
Dai Yeun Jeong, Asia Climate Change Education Center and Jeju National University, South Korea
Sergey Suchkov, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russia

09:00–09:40

Keynote Session

Dai Yeun Jeong, Asia Climate Change Education Center and Jeju National University, South Korea

Title: The concept of environment and its relationship with humans

09:40–10:20

Keynote Session

Carme Ferre Pavia, Autonomous University of Barcelona, Spain

Title: Young communicating climate change on social media: Facts and proposals

10:20–11:00

Keynote Session

Sergey Suchkov, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russia

Title: Personalized and Precision Medicine (PPM) as a unique healthcare model through design-driven biotech and upgraded business marketing to secure the planetary ecosystem and biosafety

11:00–11:30

Coffee Break @Foyer | Group Photo

11:30–11:50

Oral Session

Maria Guadalupe Pineda Arizmendi, Technological Institute of Higher Studies of Tianguistenco, Mexico

Title: Classical optimization vs. artificial intelligence models for color removal in wastewater from denim washing

11:50-12:10

Oral Session

Greta Adorni, Chiesi Farmaceutici SPA, Italy

Title: Pharmaceuticals in the environment: Recent progresses for an effective and responsible environmental risk management

12:10-12:30

Oral Session

Anniver Ryan P Lapuz, Forest Products Research and Development Institute, Philippines

Title: Production of bamboo pellet as an alternative and sustainable source of fuel

12:30-12:50

Oral Session

Olga Veilande, Riga Stradins University, Latvia

Title: Sustainability governance in the health-care sector: Case studies of four public hospitals in Latvia

12:50-13:10

Oral Session

Edward Paul Marasigan, Forest Products Research and Development Institute, Philippines

Title: Design and development of multi functional school furniture

13:10-14:10

Lunch Break @Restaurant

14:10-14:30

Oral Session

Sergey Suchkov, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russia

Title: Unlocking the potential of design-driven biotechnology and bioindustrial manufacturing to develop life-changing innovations and to re-shape the future of healthcare services

14:30-14:50

Oral Session

Didier Grillot, H2D Global, France

Title: A chemistry without oil: Why and how Europe can transition beyond fossil feedstocks

14:50-15:10

Oral Session

Yuan Zusheng, Shaanxi Normal University, China

Title: New-quality productive forces leadership, national ecological well-being supremacy, and economic-social sustainable development: Chinese experience and its worldwide significance

15:10-15:30

Oral Session

Maria Guadalupe Pineda Arizmendi, Technological Institute of Higher Studies of Tianguistenco, Mexico

Title: Smart network for water contaminant detection and pollution monitoring based on the Internet of Things (IoT)

15:30-15:50

Oral Session

Eslam S Hemeda, Menoufia University, Egypt

Title: Improving mechanical properties of recycled aggregate pervious concrete using Taguchi method

15:50-16:10

Oral Session

Khalid El Bahjaouy, University Sultan Moulay Slimane, Morocco

Title: Spatial mapping of soil salinity in a semiarid region using a machine learning model based on spectral indices and ground data

16:10-16:30

Oral Session

Chung Yu Guan, National Taiwan University, Taiwan

Title: Plant microbial fuel cells for net zero emissions, renewable energy, green and sustainable remediation, and waste valorization

16:30-17:00

Coffee Break @Foyer

PP01

Poster Presentations (16:30-17:00)

Jose Antonio Aceituno Mederos, Santo Domingo Technological Institute, Dominican Republic

Title: Activated carbon from Sargassum: Adsorption of diazepam and midazolam in wastewater

PP02

Xueli Su, Jingchu University of Technology, China

Title: A review of artificial intelligence in chemistry education

PP03

Lloyd Florens, University of the Mascarenes, Mauritius

Title: Responsible application of artificial intelligence for Biodiversity (BD) conservation in Mauritius

PP04

Gordana Jovanovic, University of Montenegro, Montenegro

Title: Top-down solar forcing and the downward control mechanism: Toward an integrated view of atmosphere-climate coupling

PP05

Xavier Koenig, University of the Mascarenes, Mauritius

Title: The island nation as system and scale to examine the One Health concept: The case of Mauritius

CENTRAL EUROPEAN SUMMER TIME (CEST)

08:30–09:00 AV Check and Introduction

Moderator:**Jana Pisk**, University of Zagreb, Croatia**Chair:****Patrick Martin**, University of Artois, France

09:00–09:40

Keynote Session

Patrick Martin, University of Artois, France

Title: Macroalgae: An interesting source of highly diversified specific polysaccharides – PSAMAL project

09:40–10:20

Keynote Session

Bayram Gunduz, Malatya Turgut Ozal University, Turkey

Title: Smart biomaterials for the future of healthcare: Linking structure, mechanics, and light-matter interactions in dental and orthopedic systems

10:20–10:40

Oral Session

Tony Arison Ramihangihajason, Institute and Observatory of Geophysics of Antananarivo, Madagascar

Title: Using natural capital accounting to support the implementation of ecovillages in Madagascar

10:40–11:00

Oral Session

Jana Pisk, University of Zagreb, Croatia

Title: Green mechanochemistry meets catalysis: Molybdenum-hydrazone complexes for mild oxidation reactions

11:00–11:30

Coffee Break @Foyer

11:30–11:50

Oral Session

Mirosław Neska, Łukasiewicz Research Network - Institute for Sustainable Technologies, Poland

Title: A test stand for water treatment systems and green hydrogen production units: Description and preliminary research

11:50-12:10

Oral Session

Xavier Koenig, University of the Mascarenes, Mauritius

Title: Improved ecosystem condition but reduced services? Modelling corporate land use effects on a watershed in Mauritius

12:10-12:30

Oral Session

Mohammed El Khasmi, Hassan II University of Casablanca, Morocco

Title: Impact of environmental stress on homeostasis and meat composition in dromedary and rabbit

12:30-12:50

Oral Session

Hillary Kasedde and John Baptist Kirabira, Makerere University, Uganda

Title: Techno-economic analysis of a hybrid solar thermal-biogas powered dryer for fruit dehydration

12:50-13:50

Lunch Break @Restaurant

13:50-14:10

Oral Session

Sasa M Miladinovic, University of Applied Sciences Western Switzerland, Switzerland

Title: Towards greener extraction of mycotoxins from protein concentrates for LC-MS/MS analysis

14:10-14:30

Oral Session

Vedat Ceyhan, Ondokuz Mayıs University, Turkey

Title: Energy use and carbon emission along the tomato supply chain based soilless farming technologies

14:30-14:50

Oral Session

Rahul Hajare, Sandip University, India

Title: Design space filling model, synthesis and evaluation of novel 2-indolinone HIV-1 inhibitors

14:50-15:10

Oral Session

Lawal Yakubu Gada, Greenado International Limited, Nigeria

Title: Decarbonizing Nigeria's economy: The role of green hydrogen

15:10-15:30

Oral Session

Ayoub Boualli, Cadi Ayyad University, Morocco

Title: Synthesis, crystallographic elucidation, and anticancer evaluation of totarol-1,2,3-triazole hybrids

15:30-15:50

Oral Session

Mahmoud Bali, University of Gabes, Tunisia

Title: Low-cost filters from marble and brick waste for urban wastewater treatment

15:50-16:10

Oral Session

Franklin Torres Bejarano, University of Cordoba, Colombia

Title: Modeling hypersalinization processes in tropical coastal lagoons and their morphodynamic implications in Navío Quebrado Lagoon, Colombia

16:10-16:30

Coffee Break @Foyer**End of Day 2**

Day 3 – Room 1 @Zoom Meeting

June 20, Saturday

Time (CEST) | Presenter Time (Local)

08:30–09:00

AV Check | Introduction

Moderator:

Krishna Nidamarthi, Emerald High School, United States

CEST

LOCAL

09:00–09:20

17:00–17:20

Oral Session

Stephen Ballesty, In-Touch Advisory, Australia

Title: Sustainable FM via the ISO 41000 series for facility management

09:20–09:40

15:20–15:40

Oral Session

Assis Kamu, University of Malaysia Sabah, Malaysia

Title: Economic growth, energy intensity, and carbon emissions in developing and emerging economies: Policy lessons from two decades of evidence

09:40–10:00

15:40–16:00

Oral Session

Kian Heng Liew, Liew Strategics, Singapore

Title: Origin of sustainability – The nature's wonder of algae biological role of algae in humanity

10:00–10:20

16:00–16:20

Oral Session

Stephen T F Poon, MILA University, Malaysia

Title: Resilience through ecological ethics: Towards a sustainable global food system

10:20–10:40

16:20–16:40

Oral Session

Christine Yeo Wan Sieng, University of Malaysia Sabah, Malaysia

Title: Effects of Nitrogen (N₂) shielding and purging gases on weld performance in austenitic stainless steels: An overview

10:40–11:00

14:10–14:30

Oral Session

A Jeevarathinam, V V Vanniaperumal College for Women, India

Title: Ecologically compatible edible cutlery for a sustainable future

CEST

LOCAL

11:00-11:20

14:30-14:50

Oral Session

Nandagopal Paramesh, Sthira Environment, India

Title: Impact of voluntary carbon markets on REDD+ projects globally

11:20-11:40

14:50-15:10

Oral Session

Mahua Das, The Bhawanipur Education Society College, India

Title: Bengal estuarine mangroves and shelf biodiversity degraded by trawl seeking conservation

11:40-12:00

15:10-15:30

Oral Session

Santosh Kumar Mishra, S N D T Women's University, India

Title: Consequences of air pollution on health of women during pregnancy and unborn babies and interventions required

12:00-12:20

15:30-15:50

Oral Session

Santosh Kumar Mishra, S N D T Women's University, India

Title: Researching into impact of climate change on land degradation and prevention strategies

12:20-12:40

15:50-16:10

Oral Session

Subhas Chandra Datta, Visva Bharati University, India

Title: Barn owl used as natural-biomedicine-booster-vaccine focusing public-health-ecology environment-biodiversity-migration food-security?

12:40-13:00

16:10-16:30

Oral Session

Vijayan Gurumurthy Iyer, Techno-Economic-Environmental Study and Check Consultancy Services, India

Title: Environmental science, sustainability and global innovation for prevention of contamination and pollution control in seed-cotton (or kapas) development

13:00-13:20

16:30-16:50

Oral Session

Twinkle Rajiv Kumar Singh, Sardar Vallabhbhai National Institute of Technology, India

Title: Study on approximate analytical techniques with its applications for engineers & scientists

CEST

LOCAL

13:20-13:40

16:50-17:10

Oral Session

Avlokita Agrawal, Indian Institute of Technology Roorkee, India

Title: Global housing discourse: A systematic literature review

13:40-14:00

17:10-17:30

Oral Session

Virendra Kumar Goswami, Indian Institute of Technology, India

Title: Role of artificial intelligence and remote sensing to study chemical processes and breakthroughs in catalytic oxidation to develop technologies for 'Chemical Remediation of the Aquatic Pollution' (CART)

14:00-14:20

15:00-15:20

Oral Session

Alper Yilmaz, Gungor & Yilmaz Law Firm, Turkey

Title: Towards a just transition insurance mechanism integrating climate risk, social protection, and green finance

14:20-14:40

15:20-15:40

Oral Session

Valentina Svalova B, Institute of Environmental Geoscience RAS, Geophysical Institute of Vladikavkaz Scientific Center RAS, Vladikavkaz, Russia

Title: Geodynamics and seismicity of the Anatolian-Caucasian-Arabian region and the earthquake in Turkey on February 6, 2023

14:40-15:00

15:40-16:00

Oral Session

Vasileios Vasilakopoulos, University Of Western Macedonia, Greece

Title: Air pollution and atrial fibrillation: A regional epidemiological study in Western Macedonia, Greece

15:00-15:20

16:00-16:20

Oral Session

Vladimir Chigrinov, The Hong Kong University of Science and Technology, Russia

Title: Photoaligned azodye nanolayers: New trends for liquid crystal devices

15:20-15:40

15:20-15:40

Oral Session

Renata Denaro, Water Research Institute - National Research Council, Italy

Title: Harnessing microbial specialization for nature-based marine bioremediation

CEST

LOCAL

15:40-16:20

16:40-17:20

Keynote Session

Oleksandr Novoseltsev, General Energy Institute of the National Academy of Sciences of Ukraine, Ukraine

Title: The business logic of service-oriented transformation of urban energy systems

16:20-17:00

15:20-16:00

Keynote Session

Antonio Albuquerque, University of Beira Interior, Portugal

Title: Synergistic integration of photobioreactors and constructed wetlands for reclaimed water production

17:00-17:40

16:00-16:40

Keynote Session

Heather M Coleman, Ulster University, Ireland

Title: Sustainable low-cost adsorbents for the removal of pharmaceutical contaminants from wastewater

17:40-18:00

16:40-17:00

Oral Session

Andreia Saragoca and Ana Isabel Cordeiro, Polytechnic Institute of Portalegre, Portugal

Title: Assessment of insect biodiversity in industrial hemp crops

18:00-18:20

17:00-17:20

Oral Session

Ana Virtudes, University of Beira Interior, Portugal

Title: From peripheral margin to smart city: The impacts of the new Lisbon airport on centrality

18:20-18:40

13:20-13:40

Oral Session

Magda Regina Santiago, Biological Institute of Sao Paulo, Brazil

Title: The important role of zebrafish in ecotoxicological studies

18:40-19:00

09:40-10:00

Oral Session

Krishna Nidamarthi, Emerald High School, United States

Title: Spatio-temporal water storage solutions for climate whiplash: Downscaling, AI-enhanced detection, and cloud-orchestrated management for flood prevention and water security

CEST

LOCAL

19:00-19:20

12:00-12:20

Oral Session

Ivan Jose Marsiglia Chams, University of Cordoba, Colombia

Title: Evaluation of a pilot-scale constructed wetland planted with *Limnocharis flava* for the treatment of gold mining-impacted waters in Ayapel, Cordoba

19:20-19:30

17:20-17:30

Poster Session

Pape Abdoulaye Diaw, Alioune Diop University of Bambey, Senegal

Title: Removal of hydroxychloroquine from waters by the electrochemical treatment

19:30-19:40

14:30-14:40

Poster Session

Felipe Augusto Moro Loureiro, Tupa Bioenergia, Brazil

Title: Bioenergy from biomass waste

Day 3 – Room 2 @Zoom Meeting

June 20, Saturday

Time (CEST) | Presenter Time (Local)

08:30–09:00

AV Check | Introduction

Moderators:

Tirath Raj, University of Illinois Urbana Champaign, United States

Chitra Sulkan, University of Melbourne, Australia

CEST

LOCAL

09:00–09:40

17:00–17:40

Keynote Session

Tomayess Issa, Curtin University, Australia

Title: Enhancing postgraduate students perspective of sustainability awareness in Australia: A practical experience

09:40–10:00

17:40–18:00

Oral Session

Chitra Sulkan, University of Melbourne, Australia

Title: Sustainable recovery of materials from end-of-life photovoltaic panels

10:00–10:20

16:00–16:20

Oral Session

Lei Yan, Heilongjiang Bayi Agricultural University, China

Title: Green synthesis of magnetosomes by *Acidithiobacillus ferrooxidans* and their potential applications

10:20–10:40

16:20–16:40

Oral Session

Wenyong Shi, Beijing University of Chemical Technology, China

Title: Engineering out-of-equilibrium molecular assemblies via confinement for efficient solar hydrogen production

10:40–11:00

16:40–17:00

Oral Session

Ling Yin, Weifang Institute of Technology, China

Title: Synergistic antifibrotic potential of protocatechuic acid and D-carvone in liver protection

11:00–11:20

17:00–17:20

Oral Session

Zhanying Liu, Inner Mongolia University of Technology, China

Title: Will be Updated Soon...

CEST

LOCAL

11:20-11:40

14:50-15:10

Oral Session

Prakash Kondekar, Indian Institute of Naturopathy, India

Title: Green energy for planet's health

11:40-12:00

15:10-15:30

Oral Session

Supriya Santosh Patil, MES Abasaheb Garware College, India

Title: Design and development of optical sensor for measurement of purity of ethanol

12:00-12:20

15:30-15:50

Oral Session

Supriya Santosh Patil, MES Abasaheb Garware College, India

Title: Refractometric fiber optic sensor for in-situ monitoring the state-of-charge of lead acid battery

12:20-12:40

15:50-16:10

Oral Session

S Nawazish Mehdi, Principal Investigator, AICTE Research Project; Ph.D. Supervisor; Member, Board of Studies, India

Title: Improvement in combustion characteristics by the use of hydrogen fuel in IC engine

12:40-13:00

14:40-15:00

Oral Session

Jenifer Robinson, Indian School Al Wadi Al Kabir, Oman

Title: Quinazolines: Green synthesis, characterization and biological activities

13:00-13:40

12:00-12:40

Keynote Session

Helena Belchior Rocha, Iscte - University Institute of Lisbon, Portugal

Title: Local actions, global impact: Community-centered approaches to green chemistry and renewable energy for sustainability

13:40-14:20

17:10-17:50

Keynote Session

Vijayan Gurumurthy Iyer, Techno-Economic-Environmental Study and Check Consultancy Services, India

Title: Importance of green chemistry with a case study for the sustainable industrial development

CEST

LOCAL

14:20-15:00

15:20-16:00

Keynote Session

Cristian Ravariu, National University of Science and Technology Politehnica Bucharest, Romania

Title: Simulations of graphene layers used for the field effect transistors graphene based

15:00-15:40

16:00-16:40

Keynote Session

Viacheslav Burlov, Peter the Great St. Petersburg Polytechnic University, Russia

Title: Systemic integration of territorial development management processes to neutralize the consequences of climate change

15:40-16:20

15:40-16:20

Keynote Session

Yarub Al Douri, European Academy of Sciences, Belgium

Title: Morphological studies of quaternary alloy

16:20-17:00

10:20-11:00

Keynote Session

Hossam A Gabbar, Ontario Tech University, Canada

Title: Advances in plasma-based waste treatment

17:00-17:20

18:00-18:20

Oral Session

Osman Adiguzel, Firat University, Turkey

Title: Energy relations of thermomechanical processes and crystallographic transformations in shape memory alloys

17:20-17:40

16:20-16:40

Oral Session

Semra Bakkaloglu, Imperial College London, United Kingdom

Title: Market-based insetting mechanisms for accelerating the chemical sector decarbonisation

17:40-18:00

11:40-12:00

Oral Session

Jinsong Wu, University of Chile, Chile

Title: Environmental sustainability and intelligence as well as general green technologies

CEST

LOCAL

18:00-18:20

11:00-11:20

Oral Session

Tirath Raj, University of Illinois Urbana Champaign, United States

Title: Green pretreatment strategies for enhanced microbial lipid fermentation and synergistic high-quality lignin recovery for next-generation integrated biorefineries

18:20-18:40

19:20-19:40

Oral Session

Igor Romanskii, Institute of Chemical Physics named after N N Semanova RAN Moscow, Russia

Title: Study of the kinetics of gas-phase reactions within the framework of a non-equilibrium approach

18:40-18:50

10:40-10:50

Poster Session

Javier Hernandez Alba, Center for Research in Advanced Materials, Mexico

Title: Zirconium modified terephthalic acid recovered from recycled PET for fluoride and lead removal from water

18:50-19:10

19:50-20:10

Oral Session

Jeanne Antonios Andary, Modern University for Business and Science, Lebanon

Title: Environmental control and valorization of olive mill wastewater: Influence of harvest timing and extraction technology

WE WISH TO MEET YOU AGAIN AT OUR UPCOMING EVENTS

International

Energy Future Conference

September 17-19, 2026 | Rome, Italy | Hybrid Event

<https://energyfutureconference.com/>

2nd Edition of International Conference on

Environmental Science, Sustainability & Global Innovation

June 2027 | Hybrid Event

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Questions? Contact

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