



SESSIONS & SCIENTIFIC PROGRAM

CALL FOR ABSTRACTS/PAPERS

7th International Symposium on Materials, Electrochemistry and Environment (CIMEE 2025)

September 25– 27, 2025 | Lebanon

THE LARGEST GATHERING OF EXPERTS IN MATERIALS, ELECTROCHEMISTRY & ENVIRONMENT



The CIMEE research Group with many universities in Middle East, North Africa and Europe are pleased to invite you to participate in this edition, 7th International Symposium on Materials, electrochemistry and environment (CIMEE 2025). will be held on September 25-27, 2025 Tripoli, Lebanon (online event). Theme: Advancing sustainability through Materials, electrochemistry and green energy. Three-days international symposium devoted to the main scientific areas in Materials chemistry, Electrochemistry and environmental analytical chemistry

As for previous editions of CIMEE, the scientific committee will ensure the high quality and diversity of the scientific programme together with the accessibility of the meeting to scholars, PhD/post-doc and local Master students. For the latter, an advantageous registration fee will be proposed. Moreover, a special session will be organised with renowned academic participants. The programme will be designed to attract physical chemists both from academia and industry, and especially PhD students, postdocs and young researchers will have plenty of opportunities for exchange and discussion.

The conference will consist of 40 sessions, on the topics listed below:

T 1. MATERIALS & THE ENVIRONMENT

- 1.1. Nanomaterials, Nanostructures & Environment.
- 1.2. Nanomaterial-based biosensors for pollutants detection
- 1.3. Nanotechnology & Nanobiotechnology for Environmental Remediation
- 1.4. Carbon Nanotubes-Based Nanomaterials & Their Applications
- 1.5. Advanced Textile Materials for Composite Applications

T 2. ELECTROCHEMISTRY, BIOELECTROCHEMISTRY & ENVIRONMENT

- 2.1. Electrochemistry for the Environment
- 2.2. Electrochemical and environmental sensors, Biosensors technology
- 2.3. Organic electrochemistry & Bioelectrochemistry
- 2.4. Electrochemical nanosensors and their application.

T 3. ATMOSPHERIC CHEMISTRY & ENVIRONMENTAL POLLUTION

T 4. STRUCTURAL, ANALYTICAL & PHYSICAL CHEMISTRY

- 4.1. Environmental chemistry, Analytical chemistry
- 4.2. Air quality, Pesticides & environmental monitoring
- 4.3. Bioremediation & Phytoremediation of environmental Pollutants
- 4.4. Remediation Technologies Applied in the Environment

T 5. AGRO GEOENVIRONMENT, AGROCHEMISTRY & BIOGEOCHEMISTRY

- 5.1. AgroGeoenvironment & Geomaterials
- 5.2. Biomaterials, Waste & biomass valorization
- 5.3. Atmospheric Chemistry, Geochemistry & Earth Materials
- 5.4. Agro-materials, & Environmental geochemistry.

T 6. BIOTECHNOLOGY AND PHYTOCHEMISTRY FOR ENVIRONMENTAL SUSTAINABILITY

T 7. CLIMATE CHANGE, COASTAL & MARINE ECOSYSTEM

T 8. BIO-GREEN-ENERGY SCIENCE, WASTE TREATMENT & TECHNOLOGY

The conference chair and technical program committee is currently developing their preliminary program, which will include the names of the invited speakers and discussion leaders for each of these sessions. The preliminary program will be available by September 01, 2025. Please check back for updates.



Major sessions and Conference program

This conference will provide opportunities for networking and mentorship among researchers of varying career stages and work environments, including research universities, primarily undergraduate institutions, national laboratories and research centers. This multidisciplinary conference welcomes chemists, physicists, biologist and materials scientists working on both experimental and theoretical aspects of chemistry. All attendees will be invited to participate and actively engage in discussion in all components of the program. Below is the list of sessions, together with the preliminary indication of chair- and co-chairpersons.

Scientific Sessions

The sessions aim to explore how scientific and technological advances in these fields can be applied to design sustainable solutions and reduce the environmental impact of human activities. They also explore understanding natural processes and the impacts of human activities on natural resources and the climate, as well as materials science to develop more environmentally friendly and sustainable materials.

We invite scholars to submit papers that examine examples of implicit and explicit interactions between scientific research and sustainable thought.

<https://cimée-science.org/index.php/2025/06/18/cimee25-sessions-conference-program/>

Call for Papers Invitation for researchers to submit papers related to a specific topic within a broader conference theme.

The Scientific committees invite researchers to submit their work for presentation at a conference or publication in a partner journals.

Kindly submit research articles on a specific theme or topic

Pre-Conference Workshop: Electrochemistry and Environmental Sustainability Wednesday, September 24, 2025

S1: The role of electrochemical technology in environmental sustainability

S2: Electrochemistry technology to achieving a sustainable environment.

S3: Nanobiosensors for Environmental Monitoring: Recent Advances and Perspectives

S4: Advances in Electrochemical Nano-Biosensors for Agricultural and Environmental Applications

S5: Advancements in CCU technologies and innovations as key solution for mitigating climate change

S6: Sensor technologies for detecting pesticides and emerging pollutants in environmental samples

S7: Biotechnological Innovations to Achieve Carbon Neutrality

S8: Urban air quality: towards innovative sensor technologies and the potential use of artificial intelligence

S9: CCU electrochemical technologies: the potential role of in mitigating climate change, DACCS, BECCS technologies

S10: Towards the goal of achieving zero emissions: Exploring the future potential of emerging CCUS technologies

Circular Economy, Biotechnologies & Sustainable agriculture

S11: The circular economy as effective tools to develop a sustainable and resilient Mediterranean agricultural system

S12: Innovations in agricultural biotechnologies: the crucial role in the transition to a sustainable bioeconomy

S13: Sustainable agriculture in the face of severe climate change in the Mediterranean: an overview

S14: Climate change in Mediterranean region: Compost-Biochar in agroecosystems to enhancing soil fertility & olive trees productivity

S15: Synergistic benefits of combining compost and biochar: olive trees and climate change

S16: Zero waste on both shores of the Mediterranean: Environmental and economic challenges

S17: Recent and sustainable thermochemical technologies for converting waste biomass into biochar

S18: Biochar as promising material for carbon storage and agricultural sustainability

Agri-food system and Climate Change

S19: Agricultural Biotechnology and Climate Change -Creating a more sustainable world

S20: New and emerging technologies to combat the effects of climate change

S21: Sustainable food system: accelerating the ecological transition on mediterranean region

S22: Innovative solutions to improve the resilience of agri-food systems in the face of climate change.

S23: Sustainable Food and Ecological Transition: The Triple Planetary Challenge

S24: Global waste: a central role in the issue of planetary boundaries

Biowaste & Bioenergy

S25: New innovation approaches to support the decarbonization of the wastewater sector and carbon neutrality

S26: Towards Sustainable Treatment and Reuse of Wastewater in the Mediterranean Region

S27: Production of Green Hydrogen: as a promising solution for decarbonising wastewater sector.

S28: Accelerating the decarbonization of the wastewater sector: innovative solutions in climate change mitigation

S29: Decentralized, nature-based solutions and Circular Economy approaches to improve water governance for long-term sustainability

S30: Green hydrogen production from wastewater A new technology to tackle climate change

S31: Hydrogen production from biomass and waste: Advanced conversion technologies and sustainability

S32: Accelerated the viability of Hydrogen production: Technological advancements



Special session Call for Papers in special session from a publication

SS: 1: Advanced materials for Energy Decarbonization and Sustainability.

SS: 2: Sustainable materials innovations: novel technologies for clean energy generation

SS: 3: Exploring innovative technologies to maximize biomethane production: a real key to the future energy transition

SS: 4: Chemical hydrogen storage using the LOHC process: New technological solutions

SS: 5: Environmental Metallomics : between essential & toxic metals within biological systems

Major session

Major CIMEE25 conference focused on the core disciplines of chemistry such as Materials chemistry, analytical, physical, electrochemistry and environmental chemistry. These conferences provide platforms for researchers, educators, and professionals to share knowledge, advancements, and innovations across various chemical sciences. They may also include specialized sessions on topics like:



Major sessions						
Global Waste: A Central Role in the Planetary Boundaries Issue	Bioenergy, Bioresource technology & Environmental Sustainability	Bio-Green-Energy Science, Waste Treatment & Technology	Promising innovations to improving Food Security: the potential role of Climate-Smart Agriculture	Carbon Capture & Utilisation (CCU) technologies	Biochar as promising material for carbon storage & agricultural sustainability	Sustainable food system: accelerating the ecological transition on mediterranean region

Global Waste: A Central Role in the Planetary Boundaries Issue
 Bioenergy, Bioresource technology & Environmental Sustainability
 Bio-Green-Energy Science, Waste Treatment & Technology
 Promising innovations to improving Food Security: the potential role of Climate-Smart Agriculture
 Carbon Capture & Utilisation (CCU) technologies
 Biochar as promising material for carbon storage & agricultural sustainability
 Sustainable food system: accelerating the ecological transition on mediterranean region

