CIMEE'26 Online Event

Materials, Electrochemistry & Environment CONFERENCE 2026

Theme : Materials & Electrochemistry for Clean Energy & Environmental Sustainability

September 24-26, 2026 | Tripoli, LEBANON

SESSIONS & SCIENTIFIC PROGAM

CALL FOR ABSTRACTS/PAPERS

8th International Symposium on Materials, Electrochemistry & Environment (CIMEE 2026)

September 24– 26, 2026 | Lebanon

Version prepared 21 September 2026 (Preliminary program)

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, 8th International Symposium on Materials, electrochemistry and environment (CIMEE 2026). will be held on September 24-26, 2026 Tripoli, Lebanon (online event). Theme: Materials & electrochemistry for clean energy & environmental sustainability. 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
T 2. ELECTROCHEMISTRY, BIOELECTROCHEMISTRY & ENVIRONMENT
T 3. ATMOSPHERIC CHEMISTRY & ENVIRONMENTAL POLLUTION
T 4. STRUCTURAL, ANALYTICAL & PHYSICAL CHEMISTRY
T 5. AGRO GEOENVIRONMENT, AGROCHEMISTRY & BIOGEOCHEMISTRY
T 6. BIIOTECHNOLOGY AND PHYTOCHEMISTRY FOR ENVIRONMENTAL SUSTAINABILITY
T 7. CLIMATE CHANGE, COASTAL & MARINE ECOSYSTEM
T 8. BIO-GREEN-ENERGY SCIENCE, WASTE TREATMENT & TECHNOLOGY.

SCIENTIFIC SESSIONS

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 has been prepared by technical program committee.



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://cimee-science.org/index.php/2025/06/18/cimee25-sessions-conference-program/

Major session Invitation for researchers to submit papers related to a specific topic within a broader conference theme

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.

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

Part I: Materials Chemistry & Electrochemistry for Bioenergy & Environmental Sustainability
Achieving a circular economy and mitigating climate change: Key Aspects of Sustainable Catalysis and CO2 Conversion
Sustainable catalysis and renewable energy production: Towards a circular economy and climate change mitigation
Sustainable catalysis and Biomass conversion: Towards a circular economy and climate change mitigation
Achieving a circular economy and mitigating climate change: Sustainable Catalysis Approaches in Water Treatment
The global energy crisis: The shift towards renewable energy and storage solutions as a sustainable strategic option
Materials Chemistry and Electrochemistry for Bioenergy & Environmental Sustainability
Green Hydrogen Production by Dissociating Water Using Solar Energy and Catalysts: The Role of Catalysts and Materials

Carbon nanomaterials for electrochemical sensing of pollutants in water and soils sources
Biopolymers and their derivatives: Key components of advanced environmental technologies
Electrochemical exfoliation as a promising approach for producing high-quality graphene: Recent advances in energy-related and sensing applications
Waste management and climate change mitigation: the potential role of Digitalisation in the implementation of the circular economy
Advancement in hybrid energy systems (HRES) based on biomass, solar, wind, and hydrogen

Part II: Carbon capture, renewable energy, Agro-GeoChemistry & Agro-GeoEnvironment
Agro-geochemistry, Agro-geoEnvironment & Sustainability: Challenges & Solutions
Carbon-climate connection monitoring: the potential role of Remote sensing
Synthesis, biodegradable, and sustainable nanoparticles to enhance bioenergy production from biowaste: Challenges and Future Direction
Advancing carbon capture: the role of sustainable catalysis
The role of Biochar to Removal of Volatile Organic Compounds: Optimization Strategies
Hydrogen Production & Storage: Benefits of Polymer-Graphene Composites & Key Applications
Hydrogen storage materials: Status and Targets
Hydrogen Storage Materials: current status, challenges, innovations and future trends
New porous materials for hydrogen storage: Innovations and challenges
Accelerating the Energy Transition with e-Fuels: The Potential Role of Hydrogen
Advancing carbon capture and renewable energy: the potential role of Sustainable catalysis
Advancing carbon capture, renewable energy and sustainable goals

Part III: Climate change, Aerosol chemical complexity, modeling & Monitoring combination
Air Quality: from aerosol Complexity to modeling Challenges.
Aerosols and Air Quality: from sources to Chemical Complexity
Atmospheric pollution in Eastern Mediterranean region: From aerosol Complexity to modeling Challenges
Intelligent Remote sensing of atmospheric aerosol properties for climate modeling and air quality monitoring
Mitigating atmospheric hydrocarbon pollutants from initial emission to final removal: the potential role of Innovative technologies
Spatio-temporal models & ecological data to develop mitigation & adaptation strategies: towards supporting both ecosystem & goals of sustainable development & climate neutrality
Advanced artificial intelligence–based approach for atmospheric monitoring of air pollution
Combating climate change by using both technological innovations and nature-based solutions
Carbon-climate connection monitoring: the potential role of Remote sensing
Electrochemical Carbon Dioxide Reduction Reaction (CO2RR) as a crucial bridge toward a sustainable, circular carbon economy

Part IV: Machine learning & algorithms: the importance role in Environmental sustainability
Advancing Environmental sustainability: the potential role of Machine learning and algorithms
Sustainable wastewater management: From AI innovations to technological treatment solutions
Bio-based materials: the role of the transition to environmental sustainability
Electrochemical Energy Conversion and Storage: Current Perspectives and Future Horizons
Nano-materials based sensors and environmental monitoring: Emerging Applications & Benefits
Carbon Dioxide Removal (CDR) innovations technologies: from nature-based approaches to technological solutions

SCIENTIFIC SESSIONS



We are excited to bring you a program that features a wide range of workshops, special sessions presentations, an interactive session, and a performance, all focused at the intersection of applied improvisation and sustainability.

Please enjoy reading our CIMEE26 sessions Program and see what sessions and Special sessions interest you!

Conference sessions may be geared toward participants with different levels of experience or different positions. Main conference sessions include the following theme and sessions.



Program information

The conference will include ample time for discussion and informal interactions between junior and senior researchers from all over the world, to ensure a lively exchange of ideas. Each day of the conference features a keynote lecture and technical sessions and symposia, giving participants access to a range of topics in Materials chemistry, electrochemistry research and analytical chemistry. Each session will include several presentations organized around themes related to one or more of the CIMEE'26 topics

Keynote speakers

Program overview

Program overview

The conference will consist of an opening session with a panel discussion, topical sessions with keynote addresses and oral contributions, e-poster sessions and side-events. Each session will begin with a keynote address to frame the intended message, followed by presentations from relevant and knowledgeable experts, and ending with a round table. The closing session will be structured as a plenary to highlight the main conclusions of the conference. It will be led by the Conference Chair with closing remarks from the Technical Programme committee. The symposium will be implemented as Plenary lectures, oral sessions of sections (including keynote talks, invited oral speakers and oral presentations) as well as poster sessions.
The official language of the symposium is English.



Technical programme commette members

Confirmed technical programme committee members

Pr. Nadjib Drouiche, Semiconductor Technology Research Center for Energy, CRTSE, Algiers, Algeria
Pr. Najla Fourati, Conservatoire National des Arts et Métiers, CNAM, Paris, France
Pr. M.N.V. Prasad, Depart. of Plant Sciences, University of Hyderabad, Telangana, India
Pr. El Moll Ahmad, Faculty of Public Health, Faculty of Science, DSST, Lebanese University, Lebanon

CIMEE26 Scientific Program	
Day 1 – Thursday 24 September 2026 **(Morning session)**	
Opening Session (Lebanon time (GMT+3))	
08h30 – 09h00	Registration
09h00 – 11h30	Official Opening Ceremony: Lebanese National Anthem and LU anthem **Opening words: Elizabeth Maruma Mrema**, Deputy Director, United Nations Environment Programme, UNEP. Opening plenary session & welcome Speech from the Conference Chair, **Assoc. Pr. Ahmad El Moll,** Lebanese university, Lebanon Opening address by **Pr. Slim AbdelKafi,** Director of National School of Engineers of Sfax University of Sfax ENIS, Sfax Tunisia Opening Keynote session: Electrodialysis system **Dr. Konstantinos V. Plakas**, Senior researcher, Centre for Research & Technology Hellas, CERTH, Thessaloniki, Greece
Keynote Session I: Atmospheric pollution, air quality & sustainability Chair/Co-chairs A. El Moll, MNV Prasad	
11h30 – 12h30	KL 2: Gilles Maignant, GREDEG, CNRS, Université Côte d'Azur, RETINES, Université Côte d'Azur, France. Title presentation: Modelling air pollution at a fine scale: from classical dispersion to hybrid physics-AI models. KL 3: Pasquale Avino, Depart. of Agricultural, Environmental & Food Sciences, University of Molise, via F. De Sanctis, Campobasso, CB, Italy. Title presentation: Urban Ultrafine Particles: Size-Resolved Exposure and Respiratory Deposition in Traffic Environments. KL 4: Ahmad El Moll, Faculty of Public health, Faculty of Science, Doctoral School for Science & Technology, Lebanese univ., Lebanon Title presentation: Emerging technologies and innovative solutions to Monitor and Mitigate Air Pollution **OP 1 :** Deep Learning-Based Pixel Classification of Sentinel-1 SAR Imagery for Inundation Mapping Mariem Trifi, Georesources Lab., Water Research and Technology Center (CERTE), Borj-Cedria Technopole, Soliman 8020, Tunisia
12h30 – 13h30	Break Netwoking, Roundtable Discussion, Photography
Afternoon Session	
Keynote Session II: STRUCTURAL, ANALYTICAL & PHYSICAL CHEMISTRY, Chair/Co-Chairs: A. El Moll, MNV Prasad	
13h30– 14h30	KL 5: The Fundamental Role of Modern Analytical Methods for Detection of Fraud or Falsification and Adulteration in Dietary Supplements at Global Level **Pr. Ilkay Erdogan Orhan,** Dean at Lokman Hekim University, Faculty of Pharmacy, Ankara, Turkey KL 6: Newly released metric tools for the analytical chemist to evaluate the adherence with the Green and White Analytical Chemistry principles. **Marcello Locatelli,** Depart. of Science, University "G. d'Annunzio" of Chieti-Pescara, Via dei Vestini 31, Chieti, Italy
Keynote Session III: MATERIALS & THE ENVIRONMENT, Chair/Co-Chairs: A. El Moll,	
14h30 – 15h30	KL 7: From Microclusters to Conductive Networks: Rare-Earth-Doped ZnO/Graphene Nanocomposites **Pr. Mirela Suchea**, National Institute for Research and Development in Microtechnologies (IMT-Bucharest), Bucharest, Romania KL 8 : Synergistic g-C3N4-Transition-Metal Sulfide Heterostructures as Efficient Bifunctional Electrocatalysts for Water Splitting **Pr. Hilal Demir Kivrak**, Depart. of Chemical Engineering, Faculty of Engineering & Architectural Sciences, Eskisehir Osmangazi University, Turkey. **OP 2:** Eco-Friendly Low-Temperature Hydrothermal synthesis of LiFePO4/rGO nanocomposites: How Graphene Oxide Chemistry Shapes Structure and conductivity? **Chirstina Floraki,** Depart. of Electrical and Computer Engineering, School of Engineering, Hellenic Mediterranean University, Heraklion, Greece, Depart. of Materials Science & Technology, University of Crete, Heraklion, Greece
15h30 – 16h00	Roundtable Discussion, Refreshment Break, Photography
Special session I	
Special Session I: Climate change mitigation, Energy transition, Agro-geochemistry, Agro-geoEnvironment & Sustainability Chair/Co-Chairs. MNV Prasad, El Moll	
16h00 – 17h30	SPECIAL SESSIONS. Call for Papers – Special session, CIMEE'26 SS0: Strategies & Technological Solutions for Climate Change Mitigation SS1: Climate change mitigation: the potential role of materials electrochemistry SS2: Climate change, Aerosol chemical complexity, modeling and Monitoring combination SS3: Mitigating atmospheric hydrocarbon pollutants from initial emission to final removal: the potential role of Innovative technologies SS4: Energy transition pathways: The strategic role of electrochemistry

	SS5: Combining electrochemical processes with renewable energy as an Emerging paradigm for environmental sustainability SS6: Agro-geochemistry, Agro-geoEnvironment & Sustainability: Challenges & Solutions SS7: Improving water governance for long-term sustainability by integrating decentralized systems, nature-based solutions (NBS), and circular economy approaches. **Pr. El Moll Ahmad,** Faculty of Public Health, Faculty of Science, DSST, Lebanese University, Lebanon
Workshop	
17h30 – 18h30	Electrochemical strategies for microplastic remediation, Electrochemical tools and sensors for environmental monitoring
18h30 – 19h00	Chair's Closing Remarks & End of Conference Day One



Day 2: Friday 25 September(GMT + 3)

08h30 – 09h00	Registration
Morning Sessions	
Plenary Session II: Electrochemistry and the Environment, Chair/Co-Chairs: MNV Prasad	
09h00 – 09h30	PL 2 : Electrochemical sensing devices for sustainable agriculture: Emerging platforms and deployment challenges Pr. Najla Fourati, Conservatoire National des Arts et Métiers, CNAM, Paris, France
Keynote Session IV: Materials for Water Remediation and Renewable Energy. Chair/Co-Chairs: El Moll, Najla Fourati	
09h30 - 12h00	KL 9: Photoelectrochemistry as an Innovative Approach to Sustainable Hydrogen Production **Pr. Youssef Naimi, Processing of Information Laboratory (LTI), Faculty of Sciences Ben M'Sick, Hassan II University of Casablanca, Morocco.** KL 10: Chemical Growth Routes to Advanced Materials for Efficient Energy Storage **Pr. Dimitra Vernadou, Dept. of Electrical & Computer Engineering, Hellenic Mediterranean University, Greece**. KL 11 Towards a Greener Future: Eco-friendly Materials for Water Remediation and Renewable Energy Projects **Pr. Marta Pazos Currás, CINTECX, Depart. of Chemical Engineering. Universidade de Vigo, Spain**
12h00 – 12h20	Panel discussion - Break Netwoking, Photography
12h20 – 14h00	Light Lunch Break, Photography
Afternoon Sessions	
Keynote Session V : Water resources, Energy Economy and Sustainable environment, Chair/Co-Chairs: A. El Moll, Najla Fourati	
14h00 – 15h30	KL 12: Next-generation Biocatalysts: Sustainable Removal of Emerging Contaminants for a Clean Water Future **Pr. Susana Rodriguez-Couto,** Dept. of Separation Science, Lappeenranta-Lahti University of Technology, LUT, Finland KL 13: From Knowledge to Cooperation: Advancing Nutrient Circularity in the Baltic Sea Region under CirCan platform **Pr. Marzena Smol,** Mineral & Energy Economy Research Institute of the Polish Academy of Sciences, Cracow, Poland KL 14: Advanced Environmental Monitoring Systems and Sensor Technology to achieving global sustainability. **Pr. El Moll Ahmad, Faculty of Public Health, Faculty of Science, DSST, Lebanese University, Lebanon**
Oral Session I : Water resources, Energy Economy and Sustainable environment, Chair/Co-Chairs: A. El Moll, Najla Fourati	
15h30 – 16h30	**OP 3:** Biowaste to Energy Devices: Walnut Biochar-Based Electrodes for Aqueous Sodium-Ion Supercapacitors **Dr. Nikos Kavousanos**, Depart. of Electrical & Computer Engineering, Hellenic Mediterranean University (HMU), Heraklion, Crete, Greece **OP 4**: Towards a Sustainable Future: Integrating Food Safety, Technology, and Waste Valorization **Dr. Nada El Darra,** Depart. of Nutrition and Dietetics, Faculty of Health Sciences, Beirut Arab University, Beirut, Lebanon **Dr. OP 5**: Business models supporting Circular Economy implementation: a Danish digestate case study **Paulina Marcinek,** Mineral & Energy Economy Research Institute, Polish Academy of Sciences, Wybickiego, Kraków, Poland
16h30 – 17h00	Roundtable Discussion, Refreshment Break, Photography
Special session II: Natural Resources management & Environmental Sustainability	
17h00 – 18h00	SS 01. Green Technologies Innovations & Monitoring Techniques for Soil Remediation SS 02. Environmental toxicology of marine microplastic pollution: innovative Removal technologies and future solutions, SS 03. Advanced materials for Energy Decarbonization and environmental Sustainability SS 04. Co-pyrolysis technology of biomass and waste for bioenergy & hydrogen production: challenges, and opportunities **Pr. El Moll Ahmad,** Faculty of Public Health, Faculty of Science, DSST, Lebanese University, Lebanon
Workshop/Training Course on Soil, Water, and ecosystem Sciences	
18h00 – 18h30	Workshop/Training Course on Soil health and sustainability and Biogeochemistry of Wetlands, Soil Science, Agrochemistry and environmental sustainability
18h30– 18h50	Chair's Closing Remarks & End of Conference Day 2

Day 3: Saturday 26 October, Lebanon time (GMT+3)

08h30 – 09h00	Registration
Morning Sessions	
Plenary Session III: Materials, Energy and sustainable Environment, Chair/Co-Chairs: A. ElMoll, Nadjib Drouiche	
09h00 – 09h30	PL 3: The Golden Triangle for Climate Action: Water Positive, Carbon Negative and Zero Waste Pr. Majeti Narasimha Vara Prasad, Dept. of Plant sciences, University of Hyderabad, Hyderabad, India.
Keynote Session VI: Wastewater treatment, valorization and the Environment, Chair/Co-Chairs: A. El Moll, MNV Prasad	
09h30 - 11h40	KL 14: Evaluating Sebkhas as Brine Management Receptors in Algeria: Opportunities & Environmental Constraints of the El Mactaa Wetland Complex **Pr. Nadjib Drouiche,** Semiconductor Technology Research Center for Energy, CRTSE, Algiers, Algeria. KL 15: Engineering Microalgae–Alginate Biocomposites for High-Efficiency Heavy Metal Removal and Scalable Water Treatment **Dr. Jihen Elleuch,** Lab. of Enzymatic Engineering & Microbiology, Algae Biotechnology Team, National School of Engineers of Sfax, University of Sfax, Tunisia. KL 16: Wastewater Treatment: Resources Recovery & Coupling Technologies for Bioelectricity & Hydrogen Generation. **Dr. Gaurav Saxena,** Institute of Sciences SAGE University Indore, Madhya Pradesh India
Oral Session II: Bio-Green-Energy Science, Wastewater Treatment & Tchnology, Chair/Co-Chairs: A. El Moll, Nadjib Drouiche	
11h40 – 13h00	**OP 6:** Overview of Mining-Related Pollution at the Kherzet Youssef Lead–Zinc Mine, Algeria, and its Environmental Impacts **Dr. Issam Rouaiguia,** National Higher School of Technology and Engineering Annaba, Mining, Metallurgy and Materials Laboratory (L3M), Department of Mining Engineering, Metallurgy and Materials, Algeria **OP7:** Digital support for water reuse – using WaterSafe tool in a wastewater treatment plant **Dominika Szołdrowska,** Mineral & Energy Economy Research Institute, Polish Academy of Sciences, Wybickiego, Kraków, Poland **OP8:** Preparation, Physicochemical Characterization and Lead Adsorption Mechanisms of H_3PO_4-Activated Carbons Derived from Date Pits, Olive Pits and Nigella sativa Seeds **Mohamad Baroudi**, Lab. of Applied Biotechnology (LBA3B), AZM Center for Research in Biotechnology and Its Applications, Doctoral School for Sciences and Technology, Lebanese University, Lebanon
13h00 – 13h30	Panel Discussion
13h30 – 14h00	Lunch Break – Netwoking, Photography
Afternoon Sessions	
Keynote Session VII: Raw materials, Electrochemistry and energy transition A. El Moll, Nadjib Drouiche	
14h00 – 15h00	KL 17: Integrating materials chemistry & electrochemistry: Sustainable synergy for a cleaner and more sustainable planet **Pr. Rachid Salghi,** Euro-Mediterranean University of Fes, UEMF, Fez, Morocco KL 18: Clean energy technologies: from critical raw materials, CRM, supply to contribution to a sustainable energy transition **Pr. El Moll Ahmad,** Faculty of Public Health, Faculty of Science, DSST, Lebanese University, Lebanon
15h00 – 15h20	Panel Discussion
Workshop	
Strengthening the resilience of Moroccan agro-ecosystems to drought	
15h20 – 16h00	Integrated chemistry–soil–water–climate approach to strengthen the resilience of Moroccan agro-ecosystems to drought **Benramel Mostafa**, Association minarets écologique pour le développement et climat, Kenitra Marc
16h00 – 16h30	Future ambitions to effectively addressing the global challenge of climate change Vision 2030: Advancing sustainability and achieving net zero emissions. COP 31 Antalya Turkey
Closing session, recommendations and Perspectives and brainstorming, Publications in partner journals	



C I M E E

INTERNATIONAL SYMPOSIUM ON MATERIALS, ELECTROCHEMISTRY & ENVIRONMENT

Conference Program





Version prepared 21 September 2026 (Preliminary program)