

7th International Symposium On Materials, Electrochemistry & Environment

Advancing sustainability through Materials, Electrochemistry and Green Energy

September 25-27, 2025 | Lebanon / Online

cimee-science.org

7TH INTERNATIONAL SYMPOSIUM ON MATERIALS, ELECTROCHEMISTRY & ENVIRONMENT Scientific Program

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

September 25– 27, 2025 | Lebanon

THE LARGEST GATHERING OF EXPERTS IN MATERIALS, ELECTROCHEMISTRY & ENVIRONMENT



Organizers

CIMEE conference offers a comprehensive technical program presenting all the latest development in research and technology in the industry that attracts thousands of professionals annually.

The theme of this edition, CIMEE25, **advancing sustainability through Materials, Electrochemistry & Green Energy**, explores a variety of current topics related to pollution treatment and waste management, climate change, natural resources depletion as well as reducing carbon emissions and the transition to renewable energy.

The conference aims to gather new research contributions from all disciplines of Materials Chemistry, electrochemistry and environmental science by scientists from diverse backgrounds.

So, mark your calendar and join us as we are filled with anticipation to meet at this flagship conference and hope you will engage in various sessions filled with valuable lectures, cutting-edge topic keynotes with world-renowned speakers, along with great opportunities to network with industry pioneers and leading researchers. The conference is organized by the Faculty of Public Health, Doctoral school for science and technology, Lebanese university in partnership with:



- Department of analytical Chemistry, Faculty of Pharmacy, Ankara University, Turkey .
- Center of Materials Technology and Photonics, Hellenic Mediterranean University, Heraklion, Crete, Greece
- Laboratory of Applied Chemistry & Environment, ENSA, University of Ibn Zohr, Morocco
- Laboratory of Environmental Engineering & Ecotechnology, ENIS, University of Sfax, Tunisia.
- Laboratory of Electrochemistry, LEIMCR, Faculty of Technology, University of Ferhat Abbas Sétif-1, Algeria

Tracks & Topics

Conference theme: advancing sustainability through Materials, Electrochemistry & Green Energy. The Program Planning Committee has developed Conference Tracks to make it easier for attendees to find the sessions that are most relevant to them. Six conference regular tracks or thematic sections. CIMEE25 will run on the following topics:

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

T 7. CLIMATE CHANGE, COASTAL & MARINE ECOSYSTEM

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

Call for Papers

Publications

After the peer reviewing process by at least 2-3 experts for the submission of CIMEE 2025, the accepted papers will be included into abstract

Contributors to CIMEE25.Symposium have the opportunity to make their research known internationally through the conference CIMEE25. The Sixth International Symposium on Materials, Electrochemistry and Environment has teamed up with some partner Journals. All submitted papers will have the opportunity to be considered for this Journals. The paper selection will be carried out during the peer review process as well as at the conference presentation stage. Submitted papers must not be under consideration by any other journal or publication. [Full text template can be downloaded here.](#)

The final decision for paper selection will be made based on peer review reports by the CIMEE25 Advisory and review committee and the Editor-in-Chief jointly. Please find detailed information regarding abstract submission and registration on our website cimee-science.org

The organizing committee has teamed up with number of partner journals

Partner Journals

Chemistry Africa, Springer, <https://www.springer.com/journal/42250>

Algerian Journal of Biosciences, AJB, <http://journal.univ-eloued.dz/index.php/ajb/index>

Journal of Natural Sciences and Technologies NaSTec, <https://journalofnastech.com/index.php/pub>


Algerian Journal of Environmental Science and Technology, ALJEST, <https://www.aljest.net/>

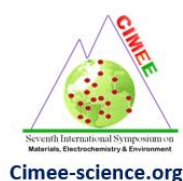
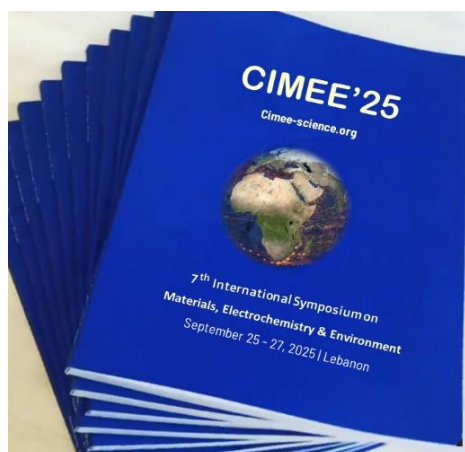
Plenary/Keynote Speakers

The list of Plenary, keynote and invited speakers will be announced soon

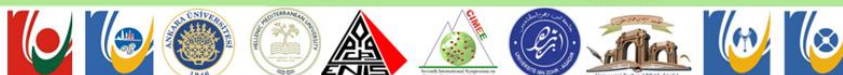
Conference Program

The symposium will be implemented as plenary lectures, oral sessions (including keynote talks, invited oral speakers and oral presentations) as well as poster sessions.

Schedule of the Program			
 TENTATIVE PROGRAM 7th International Symposium on Materials, Electrochemistry & Environment, CIMEE'25			
PROGRAM Overview	Day 1: Thursday 25 September	Day 2: Friday, 26 September	Day 3: Saturday 27 September
08:00-08:30	REGISTRATION		
08:30-09:30	OPENING CEREMONY/ WELCOME SPEECH	Keynote/Plenary Lecture 5	Keynote/Plenary Lecture 11
09:30-12:30	Keynote/Plenary Lecture 1	General session A	General session B
	Session 1	Session 8	Keynote/Plenary Lecture 12
	Keynote/Plenary Lecture 2	Keynote/Plenary Lecture 7	Session 15
12:30-13:00	Session 2	Session 9	Session 16
	BREAK/ Official Photo Sessions		
13:00-15:00	Keynote/Plenary 3	Keynote/Plenary Lecture 8	Keynote/Plenary Lecture 13
	Session 3	Session 10	Session 17
	Sessions 4	Session 11	Keynote/Plenary Lecture 14
	Authors Presentations in Panel Sessions	Authors Presentations in Panel Sessions	Authors Presentations in Panel Sessions
	Coffee Breaks, Official Photo Sessions		
	Keynote/Plenary 4	Keynote/Plenary Lecture 9	Authors Presentations in Panel Sessions
15:00-15:30	Authors Presentations in Panel Sessions	Authors Presentations in Panel Sessions	Session 18
	Session 5	Session 12	Session 19
	Poster sessions - Networking & Refreshments, Official Photo Sessions		
15:30-17:00	Keynote/Plenary 5	Keynote/Plenary 10	Authors Presentations Special Session
	Session 6	Session 13	Special session
	Session 7	Session 14	Workshops and Visits
	Authors Presentations in Panel Sessions/ Special session	Authors Presentations Session/ Special session	Special session
	Coffee break / Poster sessions		
17:00, 18:30	Will be announced later	Will be announced later	Will be announced later
	Round table	Official Photo sessions	CIMEE25 CLOSING CEREMONY



CIMEE | International Symposium on Materials, Electrochemistry and Environment **2025**
September 25-27, 2025





CIMEE25 Scientific Program (preliminary Program)

(Draught, September 23, 2025)

Day 1 – Thursday September 25, 2025

(Morning session)

Opening Session, Lebanon time (GMT+3)

08h30 – 09h00	Registration
09h00 – 10h00	<p>Official Opening Ceremony: Lebanese National Anthem and LU anthem</p> <p>Welcome Speech by the Dean of Faculty of public Health, Lebanese University, Professor Elie Hadchiti</p> <p>Opening plenary session by the Conference Chair, Assoc. Prof. Ahmad El Moll, Lebanese university, Lebanon.</p> <p>Advancing sustainability through Materials, electrochemistry and green energy</p> <p>Welcome Speech by Pr. Rachid Salghi, National School of Applied Science, Ibn Zohr University, Agadir, Morocco.</p> <p>PL 1: Treatment & reuse of industrial wastewater with the aid of Advanced Membrane Processes</p> <p>Dr. Konstantinos Plakas, Senior researcher, Centre for Research & Technology-Hellas, CERTH, Thessaloniki, Greece</p>
Keynote Session I: Waste Biomass, management valorization & Circular Economy Chair/Co-chairs A. El Moll, K. Plakas	
10h00 – 11h00	<p>KL 1: Hydrothermally Carbonised Biomass: Applications to Water Decontamination</p> <p>Pr. Najma Memon, National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Sindh, Pakistan</p> <p>KL 2: Decision supporting tool to implement water reuse technologies</p> <p>Pr. Marzena Smol, Mineral & Energy Economy Research Institute of the Polish Academy of Sciences, Cracow, Poland</p> <p>KL 3: Blue laccases for green textile wastewater treatment</p> <p>Pr. Susana Rodríguez-Couto, Lappeenranta-Lahti University of Technology LUT, Finland</p> <p>KL 4: New approaches to wastewater treatment by coupling biological and photocatalytic technologies</p> <p>Dr. Lobna Elleuch, Wastewater & Environment Laboratory, Water Research & Technologies Center CERTE</p> <p>Soliman, Nabeul, Tunisia</p>
Plenary Session II: Nanomaterials for Environmental Remediation	
11h00 – 11h20	<p>PL 2: Green Synthesis of Graphene-Based Metal Nanocomposites for Environmental Remediation</p> <p>Pr. Muhammad Akhyar Farrukh, Depart. of Basic & Applied Chemistry, University of Central Punjab, Lahore, Pakistan</p>
Keynote Session II: Structural, analytical & physical chemistry	
11h20 - 13h00	<p>KL 5 : Detecting Deception in Dietary Supplements: The Pivotal Role of Advanced Analytical Techniques</p> <p>Pr. Ilkay Erdogan Orhan, Dean at Lokman Hekim University, Faculty of Pharmacy, Ankara, Turkey, Turkish Academy of Sciences, Ankara, Turkey</p> <p>KL 6 Future of bioanalytical chemistry: the potential role of miniaturized separation techniques & sustainability</p> <p>Pr. Marcello Locatelli, Depart. of Science, University "G. d'Annunzio" of Chieti-Pescara, Via dei Vestini 31, Chieti, Italy</p> <p>KL 7 Environmental Metallomics : between essential & toxic metals in biological systems</p> <p>Pr. Ahmad El Moll, Faculty of Public Health, Faculty of Science, DSST, Lebanese University, Lebanon</p>
13h00 – 13h30	Break Networking, Roundtable Discussion, Official Photo sessions
Keynote Session III: Waste management & sustainable Energy, Chair/Co-Chairs: K. Plakas, A. El Moll	
13h30 - 14h30	<p>KL 8: BioH₂ production from biodegradable waste: opportunities and challenges</p> <p>Pr. Raffaella Pomi, Depart Civil engineering, University of Roma "La Sapienza", Rome, Italy</p> <p>KL 9: Nanofluids: Advanced Heat Transfer Fluids for Sustainable Energy Systems</p> <p>Dr. Zafar Said, Depart. of Mechanical & Aerospace Engineering, United Arab Emirates University UAEU, Al Ain, UAE</p> <p>KL 10: Optimization of biopesticides Spray technology on Crops in Agriculture to improving efficacy and reducing environmental impact.</p> <p>Dr. Manoj K Patel, CSIR-Central Scientific Instruments Organisation (CSIR-CSIO), Chandigarh, India</p>
14h30 – 14h45	Light Lunch Break, Roundtable Discussion, Official Photo sessions
Afternoon Sessions	
Oral Session I: Structural, analytical & physical chemistry Chair/Co-Chairs: K. Plakas, A. El Moll	
14h45 – 15h45	<p>OP 1: Determination of Reproductive Period and Sex Inversion of Migratory Species Pagellus bogaraveo in Syrian marine waters</p> <p>Waad George Sabour, Zoology Depart., Faculty of Sciences, Lattakia University, Lattakia, Syria</p> <p>OP 2 : AI-Guided High-Energy PIXE for Multilayer Materials: Fast In-Air Elemental Profiling and Thickness Retrieval</p> <p>Diana El Hajjar Ragheb, Lebanese University, Faculty of sciences, Tripoli, Lebanon</p> <p>OP 3: Climate change and implications in high Aflatoxin Contamination Incidence in maize, the situation in Albania</p> <p>Griserda Topi, Faculty of Natural Sciences, Depart. of Chemistry, University of Tirana, Tirana, Albania</p>
15h45 – 16h00	Break, Networking, Roundtable Discussion, Official Photo sessions
Special Session I: Insights from CORNERSTONE EU project: chair/Co-Chairs: K. Plakas, A. El Moll	
Combined technologies for water, energy and solute recovery from industrial process streams	

16h00 – 17h45	<p>Special Session. Cornerstone H₂O - Water Treatment and Wastewater Treatment Solutions</p> <p><i>CORNERSTONE is an EU-funded project with the aim to integrate novel technological and digital developments into the existing industrial wastewater treatment systems for recovery and recycling of freshwater, energy and solutes. The overall objective is to achieve long-term circular economy of EU industry via recycling and reusing resources from industrial water and wastewater streams.</i></p> <p>Dr. Konstantinos Plakas, Senior researcher, Centre for Research & Technology-Hellas, CERTH, Thessaloniki, Greece</p> <p>OP4: Introduction to CORNERSTONE project Ass. Prof. Cejna Anna Quist-Jensen, Center for Membrane Technology, Depart. of Chemistry & Bioscience, Aalborg University, Denmark</p> <p>OP5: Hollow fiber nanofiltration for water and solute recovery from industrial effluents Sarasidis V.C., Plakas K.V., Petsi P.N., Sioutopoulos D.C., Patsios S.I., Chemical Process & Energy Resources Institute, CPERI, Centre for Research & Technology – Hellas, CERTH, Greece</p> <p>OP6: High-Purity water production from industrial wastewater using direct contact membrane distillation Bousrih I., Díaz-Quezada S., Quist-Jensen C.A., Ali A., Center for Membrane Technology, Depart. of Chemistry & Bioscience, Aalborg University, Denmark</p> <p>OP7: Oscillatory flow-enhanced membrane distillation (OMD) for industrial water treatment applications Hoefler C., Pane M.F., Sullmann L., Jeges C., Muster-Slawitsch B., AEE – Institute for Sustainable Technologies, Austria</p> <p>OP8: Valorization of Industrial wastewater with Bipolar Electrodialysis for NaOH and HCl Recovery Petsi P.N., Sioutopoulos D.C., Sarasidis V.C., Patsios S.I., Plakas K.V., Chemical Process & Energy Resources Institute, CPERI, Centre for Research & Technology – Hellas, CERTH, Greece</p> <p>OP9: Recovery of solutes from industrial wastewater using membrane crystallization Díaz-Quezada S., Bousrih I., Quist-Jensen C.A., Ali A., Center for Membrane Technology, Depart. of Chemistry & Bioscience, Aalborg University, Denmark</p> <p>OP10: Industrial Adoption of Water Circularity Technologies – Analysis of Economic, Social and Environment Barriers and Enablers O'Connor A., Hennessy A., Gaskin C., 20FIFTY partners, Ireland</p>
17h45– 18h30	Official Photo sessions, Chair's Closing Remarks & End of Conference Day 1

Special Session I:


Combined technologies for water, energy and solute recovery from industrial process streams





Day 2: Friday September 26, 2025 (GMT + 3)

08h30 – 09h00	Registration
Morning Sessions	
Plenary Session III: Electrochemistry and the Environment, Chair/Co-Chairs: Ridha Djelabi, A. El Moll, R. Djellabi	
09h00 – 09h30	PL 3 : Molecularly imprinted polymers for the detection & remediation of emerging pollutants: Strengths, limitations, & future perspectives Pr. Najla Fourati, CNAM-Paris, France
Keynote Session IV: Nanomaterials for Environmental Sensing and Remediation N. Fourati, A. El Moll, R. Djellabi	
09h30 - 10h40	KL 11: Environmental sustainability and the role of nanostructured films in sensing Pr. Osvaldo N. Oliveira Jr., Sao Carlos Institute of Physics, University of Sao Paulo, Brazil Tailoring Surface and Optical Properties of Trivalent Metal-Doped ZnO Thin Films for Environmental Sensing and Remediation KL 12: Pr. Mirela Petruta Suche, National Institute for Research & Development in Microtechnologies - IMT Bucharest, Romania Center of Materials Technology & Photonics, (HUM), Heraklion, Crete, Greece KL 13: Performance evaluation of various Proton Exchange Membrane (PEMs), cathodes, anodes & factors affecting the performance of the Microbial Fuel Cell (MFC) Dr. Balendu Shekher Giri, School of Advanced Engineering, University of Petroleum & Energy Studies, UPES, Dehradun, India
Plenary Session IV: Structural, analytical & physical chemistry, Chair/Co-Chairs: N. Fourati, A. El Moll, R. Djellabi	
10h40 – 11h10	PL 4 : Quantum Materials, technologies and Key applications Pr. Kamel Besbes, Centre for Research on Microelectronics & Nanotechnology, CRMN, Sousse Technopole, Tunisia
Keynote Session V: Nanomaterials & sustainable environment, Chair/Co-Chairs: N. Fourati, A. El Moll, R. Djellabi	
11h10 – 12h30	KL 14: Smart Catalysts for Water Disinfection: Bimetallic Metal-Organic Frameworks and Advanced Oxidation Processes Synergy Pr. Marta Pazos Currás, CINTECX, Depart. of Chemical Engineering, Universidade de Vigo, Spain KL 15: From Curcumin to Catalysts: Green Nanomaterials & Spectroscopic Strategies for a Sustainable Future Pr. Patra Digambara, Depart. of Chemistry, American University of Beirut, Beirut, Lebanon KL 16: Synergistic Advanced Chemical Processes for water and wastewater treatment applications Pr. Grzegorz Boczkaj, Gdańsk University of Technology, Faculty of Civil & Environmental Engineering, Gdańsk, Poland KL 17: Bioactive Polymers from Marine Diatoms: A Multifunctional Platform for Lead Removal and Water Treatment Applications Dr. Jihen Elleuch, Labo. of Enzyme Engineering & Microbiology, National School of Engineers of Sfax ENIS, Sfax, Tunisia
12h30 – 13h30	Light Lunch - Break Networking, Official Photo sessions
Afternoon Sessions	
Oral Session II : Structural, analytical & physical chemistry, Chair/Co-Chairs: N. Fourati, A. El Moll, R. Djellabi	
13h30 – 15h00	OP 11: Exploring Atmospheric Composition and Climate Extremes in the Mediterranean and Surrounding Regions Using Satellite Observations Sarah Safieddine, LATMOS/IPSL, Sorbonne Université, UVSQ, CNRS, Paris, France OP 12: Molecular docking studies to elucidate the structure of a novel Bacillus thuringiensis toxin to be used as a biopesticide Fatma Driss, Laboratory of Biopesticides, Centre of Biotechnology of Sfax, Sidi Mansour Road km 6, Sfax, University of Sfax, Tunisia. OP 13: Harnessing Green Chemistry for Environmental Remediation: BiVO ₄ –Polyaniline Hybrid as a High-Performance Visible-Light Photocatalyst Divya Sharma Amity Institute of Applied Sciences, Amity University, Sector 125, Noida, Uttar Pradesh, India
Poster Session I : Structural, analytical & physical chemistry Chair/Co-Chairs: R. Djellabi, A. El Moll	
15h00 – 16h00	PP 1: First Record of the Parasite Nematodes Anisakis simplex in the migratory Fish Species Pagellus bogaraveo in Syrian Marine Waters. Mai M Masri, Department of Marine Biology, High Institute of Marine Research, fish biology and biodiversity, Lattakia - Syria. PP 2 : Ultrasound-assisted extraction of tangerine peels – polyphenol profile and antioxidant activity Biljana Lončar, University of Novi Sad, Faculty of Technology Novi Sad, Novi Sad, Serbia
Oral Session IV: Bio-Green-Energy Science, Waste treatment & Technology Chair/Co-Chairs: N. Fourati, A. El Moll, R. Djellabi	
16h00 - 16h30	OP 14: Tripoli wastewater treatment plants: advanced technology for sewage sludge valorization Issa Mohammad B., Kahil Abde Rahim, Omar Ahmad M., Ahmad El Moll, Energetic Physics M2, Faculty of science S3, Lebanese University OP 15: Study and implementation of a geothermal heating system for the Lebanese University in Tripoli Diana Abdallah Owaida, Faculty of science S3, Lebanese University
16h03– 17h30	Official Photo sessions, Chair's Closing Remarks & End of Conference Day 2

	Day 3: Saturday September 27, 2025 (GMT + 2)
08h30 – 09h00	Registration
Morning Sessions	
Plenary Session V: Hydrogen & energy transition, Chair/Co-Chairs: A. El Moll, R. Djellabi	
09h00 – 09h30	PL 5: Transition to Hydrogen Economy: integrating strategy for Climate & energy solutions Pr. M.N.V. Prasad, Depart. of Plant Sciences, University of Hyderabad, Telangana, India
Keynote Session VI : Climate Change, Water Resources & Sustainable Agriculture Chair/Co-Chairs: A. El Moll, R. Djellabi	
09h30 - 10h30	KL 18 : Climate Change & Water Resources in Morocco: Challenges & Innovative Solutions Pr. Rachid Salghi, Labo. of Environmental Engineering & Biotechnology, National School of Applied Science, Ibn Zohr University, Morocco KL 19 : Exploring the Role of Materials and Energy in Sustainable Agriculture Dr. Md. Habibur Rahman, Novel Global Educational Foundation, Australia KL 20 : Metal modified Bismuth based Photocatalyst for Efficient Photodegradation and CO2 Reduction Dr. Seema Garg, Dept. of Chemistry, Amity Institute of Applied Sciences, Amity University, Noida. India
Plenary Session VI: Hydrogen & Energy transition, Chair/Co-Chairs: A. El Moll, R. Djellabi	
10h30 – 11h00	PL 6: Advanced Catalytic Systems for Large Scale H2 Production via Solar Water Splitting Pr. Tokeer Ahmad, Depart. of Chemistry, Jamia Millia Islamia, Jamia Nagar, New Delhi, India.
11h00 – 11h30	Panel Discussion
11h30 – 13h30	Lunch Break – Networking, Official Photo sessions
Afternoon Sessions	
Keynote Session VII: Waste valorization and Hydrogen production R. Djelabi, A. El Moll	
13h30 – 14h30	KL 21: Utilization of Nanocomposites in Environmental Pollution Cleanup Pr, Ayşegül Pala, Faculty of Engineering, Depart. of Environmental Engineering & Division of Nanoscience & Nanoengineering, Tunaztepe Campus, Buca, Izmir, Turkey KL 22: Effects of Edible coating materials on storage life and quality of apples Dr. Dalila Hammiche, University of Béjaïa, Faculty of Technology, Lab. of Advanced Polymer Materials, Algeria KL 23: The Artificial Intelligence-Driven Frontier in Materials, Electrochemistry & Environment Sanjeev Kumar, Depart. of Applied Sciences, University of Petroleum & Energy Studies, UPES, Dehradun, India KL 24: Urban air quality: towards innovative sensor technologies & the potential use of Artificial Intelligence Pr. Ahmad El Moll, Faculty of Public Health, Faculty of Science, DSST, Lebanese University, Lebanon
14h30 – 14h45	Refreshments - Break Networking
Workshop: Innovative technology for water resources conservation and sustainable Energy Chair/Co-Chairs: A. El Moll	
14h45 – 15h45	Workshop: Floating solar technology as an innovative approach to simultaneously boost electricity generation & conserve vital water resources. Benramel Mostafa, Ecological Minarets Association for Development and Climate, Kenitra, Morocco
Special Session II: Clean energy and sustainable materials: Chair A. El Moll	
15h45 – 16h45	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
Special Session III: Innovations in agricultural biotechnology, climate change & food security Chair A. El Moll	
16h45 – 17h45	SS1: The circular economy as effective tools to develop a sustainable & resilient Mediterranean agricultural system SS2: Innovative Technologies for Sustainable Environment: the potential role of Biological remediation SS3: Improving water governance for long-term sustainability by integrating decentralized systems, nature-based solutions (NBS), and circular economy approaches. SS4: Climate change in Mediterranean region: Compost-Biochar in agroecosystems to enhancing soil fertility and olive trees production SS5: Improving food security and reducing the environmental impact of agriculture: the role of Technological solutions SS6: Innovations in agricultural biotechnologies: the crucial role for the transition to a sustainable bioeconomy.
17h45 – 18h45	Special Session IV: Nanotechnology, Agriculture & Environmental Sustainability Chair A. El Moll
	SS1: Sustainable materials innovations & novel technologies for clean energy generation. SS2: Quantum materials: The Potential for Advancing Environmental Sustainability SS3: Advances in Nanotechnology for Carbon Capture & Environmental Sustainability SS4: New Innovations in Nanotechnology for Environment, Agriculture, Food, and Energy sector SS5: Agricultural chemistry: developing innovative solutions to Achieving Sustainability in the Agro-Environment
18h45 – 19h00	Refreshments - Break Networking
Closing session, recommendations, Perspectives and brainstorming	