

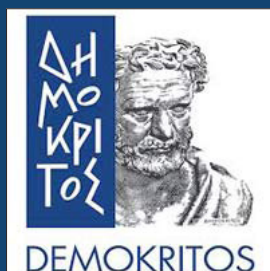
4<sup>th</sup> International

# Chemistry Conference

September 29 - October 01, 2025

NCSR-D, Athens, Greece

IN COLLABORATION WITH

**Venue:**

National Centre for Scientific Research Demokritos (NCSR-D)  
Athens, Greece

# Welcome to NCSR-D Chemeet 2025

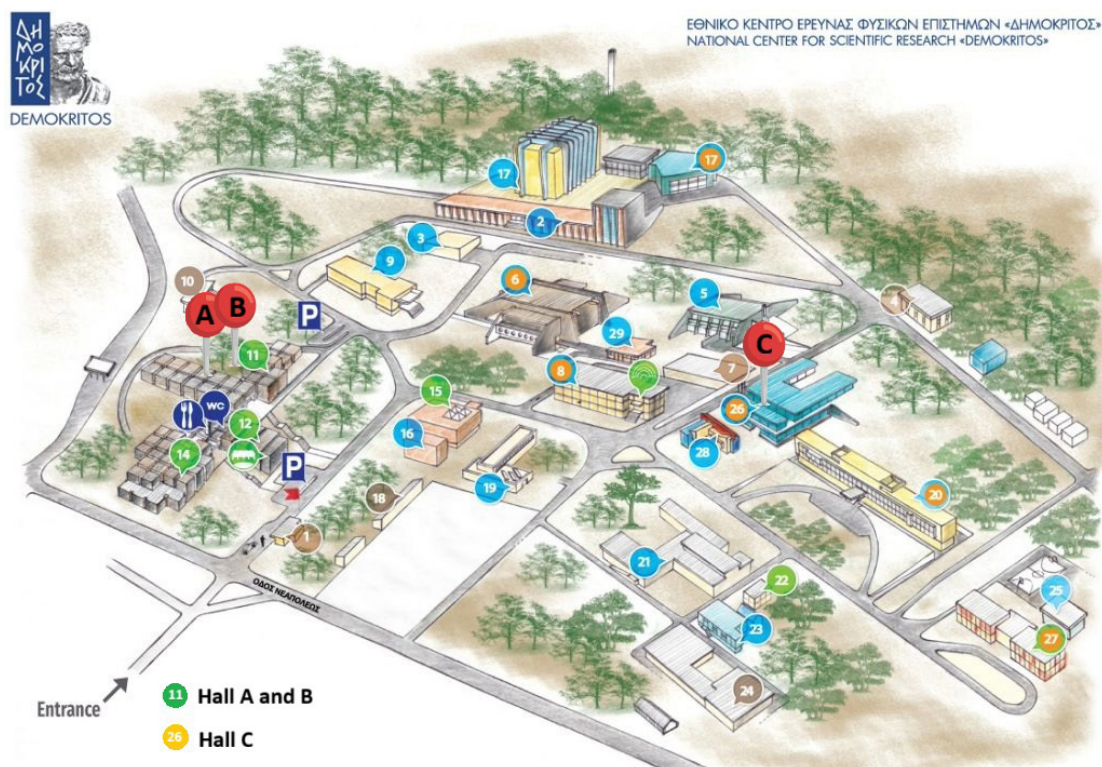
You are cordially invited by the Chemeet Committee to participate in Chemeet 2025, to be held in September 2025 at the National Centre for Scientific Research DEMOKRITOS in Athens, Greece. Over the past three years, Chemeet has established itself as a distinguished event on the international chemistry calendar, serving as a vital forum for scientific exchange and professional development. Chemeet 2025 is conceived as a dynamic platform that unites researchers, academicians, industry leaders, professional societies, associations, and emerging scholars from around the globe. By fostering meaningful dialogue and collaboration, the conference aims to strengthen the bonds within the chemical sciences community and to catalyze new partnerships across academia and industry. The program is thoughtfully designed to bridge the gap between academic research and industrial application, offering a comprehensive agenda that encompasses cutting-edge scientific presentations, interactive discussions, and networking opportunities. We are confident that the diverse content will be both informative and engaging, and we hope it will inspire you to contribute to the ongoing advancement of this vital field.

We look forward to welcoming you to Athens for an enriching and memorable experience at Chemeet 2025.

## Conference Chairs

- *Maria Vasilopoulou, INN-NCSR-D, Greece*
- *Panagiotis Skandamis, Agricultural University of Athens, Greece*

## NCSR-D Map



# #Chemeet2025 Presentation Instructions

## Speaker Guidelines

1. The official language of the Conference and presentations is English. Regrettably there are no translators facilities available.
2. All the presenters are requested to stick to the time allotted for presentations and discussions. The session chair will intimate when you are left with 2 minutes.
3. All the presentations are recommended to be in PPT format and landscape orientation with a screen ratio of 16:9 is preferable.
4. It is recommended to send your presentations before the conference so that we can use them in case if you face any difficulty in using them during the conference
5. It is also recommended to copy your presentation on a flash drive and provide that to the organizer so that we can copy that before your presentation
6. It is recommended to compress the videos and HD images so that it won't take more time to load while presenting.

## Poster Presentations:

1. All the poster presenters should bring their posters printed for the conference. There are no printing services available at the conference venue. It is preferred to have the poster printed in colour.
2. The maximum poster size allowed is A0: 84.1 cm x 118.9 cm (33.1 inches x 46.8 inches).
3. The poster should be in a single page. The poster should have the title, small description, results, and conclusions.
4. You are allotted a specific number for your poster in the program, and you are advised to stick your poster at allotted place.



**WIFI:** NCSR-D-GUEST

**Password:** #ncsrdemo#



## Day-1, September 29<sup>th</sup>, 2025

Conference Chair:	<b>Maria Vasilopoulou</b> , INN-NCSR, Greece
Conference Chair:	<b>Panagiotis Skandamis</b> , Agricultural University of Athens, Greece
08:30-09:00	Conference Sign-in and Badge Pick-up
09:00-09:05	Welcome by the Conference Chairs, Dr Maria Vasilopoulou and Prof. Panagiotis Skandamis
09:05-09:20	Welcome & Introductory Comments by the Vice President of NCSR, Dr. Vangelis Karkaletsis
09:20-09:30	Welcome by the President of the National Council for Research, Technology and Innovation, Dr George Nounesis

### Themis Kanellopoulos (HALL-A)

Session	Plenary Presentations@Themis Kanellopoulos (HALL-A)
Session Chair	<b>Maria Vasilopoulou</b> , INN-NCSR, Greece
09:30-10:10	<b>Title:</b> Carbon-based Metal-free Electrocatalysts for Clean Energy and Green Chemistry <b>Liming Dai</b> , University of New South Wales, Australia
10:10-10:50	<b>Title:</b> Reactive Oxygen Species (ROS) Research: Guardrails to Ensure Experimental Rigor <b>Binghe Wang</b> , Georgia State University, USA
10:50-11:10	<b>Refreshment &amp; Coffee Break@Reception Area</b>
11:10-11:40	<b>Title:</b> Subphthalocyanines: Singular Aromatic Non-planar and Chiral Molecules <b>Thomas Torres</b> , Autonomous University of Madrid, Spain
11:40-12:10	<b>Title:</b> Chemical Transformations via Photocatalysis: Upgrading and Controlled Degradation <b>Kazuya Nakata</b> , Tokyo University of Agriculture and Technology, Japan
Session	Keynote Presentations@Hall A
12:10-12:40	<b>Title:</b> Cellular Senescence: A New Target for Anti-ageing Therapies <b>Dimitris Kleitsas</b> , Institute of Biosciences and Applications, NCSR, Greece
12:40-13:10	<b>Title:</b> Neuromorphic Organic Devices as Building Blocks for Translational Neuroelectronics <b>Michele Di Lauro</b> , Center for Translational Neurophysiology of Speech and Communication, Italian Institute of Technology_IIT@UNIFE, Italy
13:10-14:00	<b>Lunch Break@Reception Area</b>

### HALL-B

Session-1	Medical Chemistry@Hall B
Session Chair	<b>Sotirios Christodoulou</b> , University of Cyprus, Cyprus
11:10-11:40	<b>Title:</b> Medical Informatics and Artificial Intelligence of the Hpa Axis and Stress System in Human Health and Disease <b>Vlachakis Dimitrios (Keynote)</b> , Agricultural University of Athens, Greece
11:40-12:10	<b>Title:</b> Polyurea-crosslinked Biopolymer Aerogels: Tailored Nanostructured Materials for Environmental and Biomedical Applications <b>Patrina Paraskevopoulou (Keynote)</b> , National and Kapodistrian University of Athens, Greece
12:10-12:35	<b>Title:</b> Water-soluble Platinum(II) Imidazole- and Nucleoside-based Complexes: Design, Synthesis, Characterization, and Selective Anticancer Activity <b>Michele Benedetti (Invited)</b> , University of Salento, Italy
12:35-12:55	<b>Title:</b> Analytical QbD and Greenness Applications to Biotechnological Drug Determination through Liquid Chromatography <b>Sena Caglar-Andac</b> , Istanbul University, Turkey
12:55-14:00	<b>Lunch Break@Reception Area</b>

Session-2	Chemistry & Its Applications@Hall B
Session Chair	<b>Michael Arkas</b> , NCSR D, Greece
Session Chair	<b>Kosmas Ellinas</b> , University of the Aegean, Greece
14:00-14:25	<b>Title:</b> Nanoarchitectures of Organic Molecules on Surfaces <b>Anthoula Papageorgiou (Invited)</b> , National and Kapodistrian University Of Athens, Greece
14:25-14:50	<b>Title:</b> Functional Surfaces and Devices Fabricated by Micro and Nanotechnology Methods <b>Kosmas Ellinas (Invited)</b> , University of the Aegean, Greece
14:50-15:15	<b>Title:</b> Synthesis of Green Near-infrared Colloidal Quantum Dots and the Development of Recycling Protocols <b>Sotirios Christodoulou (Invited)</b> , University of Cyprus, Cyprus
15:15-15:40	<b>Title:</b> Engineering Gold Nanomaterials: From Nanoclusters to Supraparticles <b>Claudia Pigliacelli (Invited)</b> , Polytechnic University of Milan, Italy
15:40-16:00	<b>Title:</b> SIEVE: Structural Identification and Extraction Via Embedded Graphs <b>Chiara Picarelli (Invited)</b> , Polytechnic University of Milan, Italy
<b>16:00-16:20</b>	<b>Refreshment &amp; Coffee Break@Reception Area</b>
16:20-16:45	<b>Title:</b> Multifunctional Silica-cyclodextrin Xerogels Designed for Adsorbing and Catalytically Decomposing Hazardous Substances in Both Gas and Liquid Phases <b>Michael Arkas (Invited)</b> , INN-NCSR D, Greece
16:45-17:10	<b>Title:</b> Nuclear Magnetic Resonance (NMR) Spectroscopy in Analytical Chemistry: A Glimpse of the Plethora of Capabilities and Tools <b>Constantinos G. Tsiafoulis (Invited)</b> , University of Ioannina, Greece
17:10-17:35	<b>Title:</b> Destroying Carbenes: C-N Bond Oxidative Cleavage as a Route to Ni(II) and Ni(I) Complexes <b>Nikolaos Tsoureas (Invited)</b> , National and Kapodistrian University of Athens, Greece
17:35-18:00	<b>Title:</b> Synthesis and Physicochemical Characterization of Advanced Systems for Photocatalytic Applications <b>Andreas Katsamitros</b> , University of Ioannina, Greece
18:00-18:20	<b>Title:</b> Cellulose Acetate-derived Carbon Pellets for High-density Hydrogen Storage <b>Hiroshi Matsutaka</b> , RIKEN, Japan
18:20-18:40	<b>Title:</b> Macroalgae as Sustainable Bioactive Compound Sources: Chemical Composition of <i>Ulva rigida</i> C.Agardh. <b>Pelin Koseoglu-Yilmaz</b> , Istanbul University, Turkey
<b>18:40-20:00</b>	<b>Soft Drinks@Reception Area</b>

**Themis Kanellopoulos (HALL-A)**

Session	Plenary Presentations@Themis Kanellopoulos (HALL-A)
Session Chair	<b>Andreas Kaltzoglou</b> , National Hellenic Research Foundation, Greece
10:00-10:40	<b>Title:</b> Laser Engineering of Materials and Diagnostics <b>Emmanuel I. Stratakis</b> , Foundation for Research and Technology Hellas, Greece
10:40-11:20	<b>Title:</b> Water-based Reactive Copolymers and Microcapsules for Functional Membranes and Coatings <b>Joannis Kallitsis</b> , University of Patras, Greece
<b>11:20-11:40</b>	<b>Refreshment &amp; Coffee Break@Reception Area</b>
11:40-12:20	<b>Title:</b> Nanostructured Materials as Drug Delivery Vehicles to Treat Cancer, Cardiovascular and Other Diseases <b>Hermis Iatrou</b> , National and Kapodistrian University of Athens, Greece
12:20-12:50	<b>Title:</b> From Causality to Teleology: Quantitative Microbiology Versus Artificial Intelligence. <b>Panagiotis Skandamis</b> , Agricultural University of Athens, Greece
12:50-13:30	<b>Title:</b> Design and Development of Next-generation Theranostics for Cancer <b>Andreas Tzakos</b> , University of Ioannina, Greece
<b>13:30-14:30</b>	<b>Lunch Break@Reception Area</b>
14:30-15:00	<b>Title:</b> Next Generation Food and Safety Assessment: From Conventional Control & Classical Predictive Modeling to Internet of Foods <b>George Nychas (Keynote-Virtual)</b> , Agricultural University of Athens, Greece
15:00-15:30	<b>Title:</b> Novel Polymers for Nanotechnology Applications <b>Apostolos Avgeropoulos (Keynote-Virtual)</b> , University of Ioannina, Greece
15:30-16:00	<b>Title:</b> Physico-chemical Properties and Climate Impacts of Aerosol Particles in the Atmosphere, Biosphere and Oceans <b>Kaori Kawana (Virtual)</b> , Institute of Chemical Engineering Sciences, ICE-HT/FORTH, Greece

**HALL-B**

Session-3	Medicine & Biotechnology@Hall B
Session Chair	<b>Labrini Sygellou</b> , Institute of Electronic Structure and Laser, IESL/FORTH, Greece
11:20-11:45	<b>Title:</b> Translational Perspectives on RANKL:Mouse Models and Targeted Therapies for Bone and Cancer Pathologies <b>Eleni Douni (Invited)</b> , Agricultural University of Athens, Greece
11:45-12:10	<b>Title:</b> Applying Biophysics and Molecular Simulations toward the Discovery of Potent Ligands Targeting the Epigenetic Module UHRF1 <b>Vassilios Myrianthopoulos (Invited)</b> , National and Kapodistrian University of Athens, Greece
12:10-12:35	<b>Title:</b> Crystal Structures and Properties of Mononuclear Complexes of Antibiotics Salinomycin and Monensin <b>Ivayla Pantcheva</b> , Sofia University St. Kliment Ohridski, Bulgaria
12:35-13:00	<b>Title:</b> Optimizing Transdermal Delivery of Natural Bioactives via Enzyme-engineered Composite Hydrogels <b>Eleftheria Diamanti (Invited)</b> , National Hellenic Research Foundation, Greece
13:00-13:25	<b>Title:</b> Targeting Gastrointestinal Disorders with Gaseous Molecule-releasing Prodrugs. <b>Marcin Magierowski (Invited)</b> , Jagiellonian University Medical College, Poland

<b>13:25-14:30</b>	<b>Lunch Break@Reception Area</b>
<b>Session-4</b>	<b>Materials Chemistry@Hall B</b>
Session Chair	<b>Eleftheria Diamanti</b> , National Hellenic Research Foundation, Greece
Session Chair	<b>Vassilios Myrianthopoulos</b> , National and Kapodistrian University of Athens, Greece
14:30-15:00	<b>Title:</b> Structural Interrelations of Belite and Alite Polymorphs, Interpreted via an Alternative Cation-Arrangement Model Resembling the Topology of Alloy Packing <b>Vasilis Psycharis (Keynote)</b> , National Center for Scientific Research Demokritos, Greece
15:00-15:30	<b>Title:</b> Polymer Nanocomposites: Correlating Structure with Properties <b>Kiriaki Chrissopoulou (Keynote)</b> , Institute of Electronic Structure and Laser, IESL-FORTH, Greece
15:30-16:00	<b>Title:</b> Chiral Molecular Materials: From Molecular Magnets to Metallodrugs <b>Catherine Raptopoulou (Keynote)</b> , National Center for Scientific Research Demokritos, Greece
16:00-16:25	<b>Title:</b> Interfacial Investigation of Metals (Pd, Co) with MoS <sub>2</sub> and MoS <sub>2</sub> -rGO Hybrids <b>Labrini Sygellou (Invited)</b> , Institute of Electronic Structure and Laser, IESL-FORTH, Greece
<b>16:25-16:45</b>	<b>Refreshment &amp; Coffee Break@Reception Area</b>
16:45-17:10	<b>Title:</b> Semiconducting Tin Clathrates for Thermoelectric Applications <b>Andreas Kaltzoglou (Invited)</b> , National Hellenic Research Foundation, Greece
17:10-17:30	<b>Title:</b> Porphyrin Hybrids as Photocatalysts for Water Remediation and Solar Fuels <b>Kalliopi Ladomenou (Invited)</b> , Democritus University of Thrace, Greece
17:30-18:00	<b>Title:</b> Iron-based Oxides for Clean Energy: Insights from DFT Calculations <b>Elena Arroyo (Invited)</b> , The Complutense University of Madrid, Spain
18:00-18:20	<b>Title:</b> Plant Flavonoids as Heme Oxygenase Inducers and Carbon Monoxide Releasers <b>Libor Vitek</b> , Charles University, Czech Republic
18:20-18:40	<b>Title:</b> <b>Synthesis</b> , Characterization, and Computational Evaluation of 4-bromohomatropine for Potential Pharmacological Application <b>Davis Presley</b> , Sri Sivasubramaniya Nadar College of Engineering, India

### LECTURE ROOM (HALL-C)

<b>Session-5</b>	<b>SUPERLASER WORKSHOP@LECTURE ROOM (HALL-C)</b>
Session Chair	<b>Michael Arkas</b> , NCSR-D, Greece
14:30-14:50	<b>Title:</b> Superradiance from Halide Perovskites <b>Maria Vasilopoulou</b> , National Center for Scientific Research Demokritos, Greece
14:50-15:10	<b>Title:</b> Tailoring Optical and Structural Characteristics of Halide Perovskites: A Comparative Analysis of Single Crystals and Thin Films <b>Anastasia Soultati (Invited)</b> , INN-NCSR-D, Greece
15:10-15:30	<b>Title:</b> Photophysics of Air Processed, Porphyrin Modified, Metal Halide Perovskite Thin Films. <b>Leonidas Palilis (Invited)</b> , University of Patras, Greece
15:30-15:50	<b>Title:</b> Synthesis and Properties of Perovskite Single Crystals <b>Apostolis Verykios (Invited)</b> , INN-NCSR-D, Greece
15:50-16:10	<b>Title:</b> Chemical Vapor Deposition of Silicon Films on Metallic Filaments. Computer Aided Design of the Process and Initial Experimental Results. <b>Dimitris Davazoglou (Invited)</b> , INN-NCSR-D, Greece
16:10-16:30	<b>Title:</b> Unveiling 1T-TaS <sub>2</sub> Phase Transitions and Interfacial Charge Transfer in Hybrid Perovskite Systems <b>Georgios Chatzigiannakis</b> , National Center for Scientific Research Demokritos, Greece
<b>16:30-17:00</b>	<b>Refreshment &amp; Coffee Break@Reception Area</b>

20:00  
Onwards

## SOCIAL DINNER

### Themis Kanellopoulos (HALL-A)

Session	Plenary Presentations@Themis Kanellopoulos (HALL-A)
Session Chair	<b>Emmanuel Kymakis</b> , Hellenic Mediterranean University, Greece
Session Chair	<b>Georgios Vougioukalakis</b> , National and Kapodistrian University of Athens, Greece
10:00-10:40	<b>Title:</b> Graphene And Layered Materials For Photonics and Quantum Technology <b>Andrea Ferrari</b> , University of Cambridge, UK
10:40-11:10	<b>Title:</b> Graphene "Cousins" Silicene and Germanene and New Perspectives <b>Athanasios Dimoulas</b> , National Center for Scientific Research Demokritos, Greece
11:10-11:30	<b>Refreshment &amp; Coffee Break@Reception Area</b>
11:30-12:10	<b>Title:</b> From Crystal Engineering to Device Fabrication: Guided Design and Optimization of Crystal-line Hybrid Materials <b>Jing Li</b> , The State University of New Jersey, USA
12:10-12:40	<b>Title:</b> Polymer and Ion Dynamics During Flow in Nanopores. Doing GPC Without a Solvent <b>George Floudas</b> , University of Ioannina, Greece
Session	Keynote Presentations@HALL A
12:40-13:10	<b>Title:</b> 2D Materials-enabled Energy Harvesting Technologies Across Different Demonstrator's Scales: From Powering Miniaturized IoT Devices to Large Scale PV Parks <b>Emmanuel Kymakis</b> , Hellenic Mediterranean University, Greece
13:10-14:10	<b>Lunch &amp; Posters Display@Reception Area</b>
14:10-14:40	<b>Title:</b> Plasma Surface Engineering for Smart Polymers, New Membranes and Smart Devices <b>Evangelos Gogolides</b> , National Center for Scientific Research Demokritos, Greece
Session	Invited Presentations@HALL A
14:40-15:05	<b>Title:</b> All-printed Carbon-based Bifacial Perovskite Solar Cells: Towards Scalable, Industrially Viable Photovoltaics <b>Elias Stathatos</b> , University of Peloponnese, Greece
15:05-15:30	<b>Title:</b> Bright Semiconductors for Solar Cells and LEDs <b>Thomas Stergiopoulos</b> , National Center for Scientific Research Demokritos, Greece



## HALL-B

Session-6 Food, Bio & Polymer Chemistry@HALL B	
Session Chair	<b>Panagiotis Skandamis</b> , Agricultural University of Athens, Greece
Session Chair	<b>Nikolaos Chorianopoulos</b> , Agricultural University of Athens, Greece
10:40-11:05	<b>Title:</b> Obtaining Bioactive Compounds from Plant Byproducts to Produce Nanocosmetics <b>Charalampos Proestos (Invited)</b> , National and Kapodistrian University of Athens, Greece
11:05-11:30	<b>Title:</b> Oligosaccharide-based Supramolecular Complexes for Drug Delivery Systems: A Molecular Dynamics Study <b>Giuseppina Raffaini (Invited)</b> , Polytechnic University of Milan, Italy
11:30-11:55	<b>Title:</b> Non-invasive Spectroscopic Instruments Combined with AI Tools And Information Technologies: Advances in Science and Technology Enhance the Digitalization of the Food Supply Chain <b>Nikolaos Chorianopoulos (Invited)</b> , Agricultural University of Athens, Greece
11:55-12:25	<b>Title:</b> Unveiling how Wine Consumption Shapes the Human Plasma Metabolome: Evidence from a Short-term Controlled Trial <b>Marilena Dasenaki (Invited)</b> , National and Kapodistrian University of Athens, Greece
12:25-12:50	<b>Title:</b> Multifunctional Nanoparticles as Platforms for Theranostic Applications <b>Eleni Efthimiadou (Keynote)</b> , National and Kapodistrian University of Athens, Greece
12:50-13:15	<b>Title:</b> Functional Nanocomposite Materials: Lithographic Patterning of Metal Oxide–Polymer Hybrids <b>Margarita Chatzichristidi (Invited)</b> , National and Kapodistrian University Of Athens, Greece
<b>13:15-14:10</b>	<b>Lunch &amp; Posters Display@Reception Area</b>
Session-7 Organic Chemistry@HALL B	
Session Chair	<b>Christos Chochos</b> , National Hellenic Research Foundation, Greece
14:10-14:40	<b>Title:</b> Multicomponent Reactions: Creating Complexity via Sustainable Catalytic Transformations <b>Georgios Vougioukalakis (Keynote)</b> , National and Kapodistrian University of Athens, Greece
14:40-15:05	<b>Title:</b> Thirty Years of Nanoimprint Lithography: Pioneering Nanomanufacturing for the Future <b>Nikos Kehagias (Invited)</b> , National Center for Scientific Research Demokritos, Greece
15:05-15:30	<b>Title:</b> Dynamic Life-like Behavior of Polymer-based Artificial Cells <b>Xiaoliang Wang (Invited)</b> , Harbin Institute of Technology, China
15:30-15:50	<b>Title:</b> Engineering Functional Materials by Combining Halogen Bonding and Fluorous Effect <b>Gabriella Cavallo (Invited)</b> , Polytechnic University of Milan, Italy
<b>15:50-16:10</b>	<b>Refreshment &amp; Coffee Break@Reception Area</b>
Session-8 Optoelectronic Devices@Hall B	
Session Chair	<b>Nikos Kehagias</b> , NCSR, Greece
16:10-16:40	<b>Title:</b> New Shortwave Infrared Conjugated Polymers for High Performance Organic Photodetectors and Ambipolar Phototransistors <b>Christos Chochos (Keynote)</b> , National Hellenic Research Foundation, Greece
16:40-17:05	<b>Title:</b> Theoretical Insights into Lead-free Zirconium Halide Defect Perovskites and Carbon-doped Cu <sub>2</sub> O for Optoelectronic Applications <b>Nektarios Lathiotakis (Invited)</b> , National Hellenic Research Foundation, Greece
17:05-17:30	<b>Title:</b> Advancing Printed Perovskite Solar Modules: Scalable Fabrication, Interface Innovations, and Sustainable Pathways <b>Mahmut Kus (Invited)</b> , Konya Technical University Turkey, Turkey
<b>17:30-18:00 Closing Ceremony and Poster Awards@Reception Area</b>	

## POSTER PRESENTATIONS

P1	<b>Title:</b> Evaluation of a Prototype Sensor Array for the Rapid Assessment of Beef Meat Spoilage <b>Marilena Rizou</b> , National Center for Scientific Research Demokritos, Greece
P2	<b>Title:</b> Quantum Chemical, Spectroscopic and In silico (Molecular Docking, Molecular Dynamic and ADME) Studies on Anti-Aging Pentapeptide-3 (Vialox®) <b>Dilan Akhan</b> , Istanbul University, Turkey
P3	<b>Title:</b> Design of Self-Assembling Antimicrobial Peptides Guided By Molecular Dynamics <b>Flavia Borrelli</b> , Polytechnic University of Milan, Italy
P4	<b>Title:</b> Innovative Materials and Process Engineering for High-performance Silicon and Hybrid Photovoltaics <b>Zoi Georgiopoulou</b> , National Center for Scientific Research Demokritos, Greece
P5	<b>Title:</b> Heterometallic Cu/Ln Complexes Containing [Cu <sub>4</sub> -xLn <sub>x</sub> O <sub>4</sub> ] (x = 1,2) Cubane Subunits <b>Despina Dermitzaki</b> , National Center for Scientific Research Demokritos, Greece
P6	<b>Title:</b> Functional Bacterial Cellulose Membranes via Imprinting and Surface Chemistry Modification <b>Iliana Ntovolou</b> , University of the Aegean, Greece
P7	<b>Title:</b> Synthesis and Characterization of Zn <sub>3</sub> In <sub>2</sub> S <sub>6</sub> -based Systems with Mixed Metal Oxides Towards Photocatalytic Orange G Dye Degradation <b>Andreas Katsamitros</b> , University of Ioannina, Greece
P8	<b>Title:</b> Computational Modeling of Antiepilepsy Perampanel: From Conformational Analysis to SERS Spectra <b>Chiara Picarelli</b> , Polytechnic University of Milan, Italy
P9	<b>Title:</b> Unveiling Alternate Electrodes Electrolysis in Electro-photochemical and Electro-organic Synthesis <b>Subhankar Bera</b> , Shiv Nadar Institution of Eminence, India
P10	<b>Title:</b> Nanoimprint Lithography for Advanced Photonics and Radiative Cooling Applications <b>Margarita Panagiotopoulou</b> , National Center for Scientific Research Demokritos, Greece
P11	<b>Title:</b> Ionically Tuned Hybrid Memristors Based on Perovskite-MoS <sub>2</sub> Materials <b>Katerina Maskanaki</b> , University of Ioannina, Greece
P12	<b>Title:</b> Sustainable Lithographic Processes with Sulfonium Based Pags: Evaluation in PHEMA and Negative Tone Imaging in Chitosan Films <b>Veroniki Vidali</b> , National Center for Scientific Research Demokritos, Greece
P13	<b>Title:</b> Radiative Cooling with Transparent Microstructured Polymer Film Fabricated by Nanoimprint Lithography <b>Nefeli Dimogerontaki</b> , National Center for Scientific Research Demokritos, Greece
P14	<b>Title:</b> Chemical Vapor Deposition of Silicon Films on Metallic Filaments <b>Ioannis G. Aviziotis (Invited)</b> , National Technical University of Athens, Greece
P15	<b>Title:</b> Oxygen Vacancy-controlled Resistive Switching in Amorphous Molybdenum Oxide Memristors <b>Anastasia Soutati (Invited)</b> , National Center for Scientific Research Demokritos, Greece
P16	<b>Title:</b> KA2 Polycondensation: A Novel Polymerization Reaction <b>Dimitrios Giannopoulos</b> , National and Kapodistrian University of Athens, Greece
P17	<b>Title:</b> LbL and ALD-Modified Membranes for Cost-Effective CO <sub>2</sub> Separation and Dehydrogenation processes <b>Georgios Pilatos</b> , National Center for Scientific Research Demokritos, Greece

P18	<p><b>Title:</b> Phase Separation in LiFe<sub>5</sub>-xMnxO<sub>8</sub> Studied by X-ray Diffraction and Mössbauer Measurements</p> <p><b>Vassilis Panagopoulos</b>, National Center for Scientific Research Demokritos, Greece</p>
P19	<p><b>Title:</b> Next Generation Photovoltaics</p> <p><b>Maria Vasilopoulou</b>, National Center for Scientific Research Demokritos, Greece</p>
P20	<p><b>Title: Stability Data Analysis for Silicon Solar Cells</b></p> <p><b>Nikolaos Andreopoulos</b>, National Technical University of Athens, Greece</p>
P21	<p><b>Title:</b> Merging Materials for Neuromorphic Computing</p> <p><b>Constantinos Davazoglou</b>, National Center for Scientific Research Demokritos, Greece</p>
P22	<p><b>Title:</b> The Green Future of Materials: Functional Biopolymeric Surfaces</p> <p><b>Zeta Stavromitrou</b>, National Center for Scientific Research Demokritos, Greece</p>
P23	<p><b>Title:</b> Azimuthally Inhomogeneous Dielectric Cylinders for Extreme Beam Steering and Metagrating Applications</p> <p><b>Nickolas Christou</b>, National and Kapodistrian University of Athens, Greece</p>
P24	<p><b>Title:</b> High-performance Supercapacitors based on MnO<sub>2</sub> / Activated Carbon and Carbon Black Nanocomposites</p> <p><b>Borhan Albiss</b>, Jordan University of Science and Technology, Jordan</p>
P25	<p><b>Title:</b> Thermophysical Characterization of a New Potential Oxigenate Fuel (Formed by Diethyl Carbonate and Ethanol) and One Ternary Mixture</p> <p><b>Ariel Hernández</b>, Universidad de Las Américas, Chile</p>
P26	<p><b>Title:</b> Low-temperature Synthesis of highly luminescent AgInS<sub>2</sub>-Zn Quantum Dots for Device-Grade Semiconductor Inks</p> <p><b>Apostolos Kalafatis</b>, National Center for Scientific Research Demokritos, Greece</p>
P27	<p><b>Title:</b> Alkahest-Processed SnSe<sub>2</sub> Thin Films: Tailoring Thermoelectric Properties via ZnO Nanoparticle Incorporation</p> <p><b>Roupen Vartian</b>, National Center for Scientific Research Demokritos, Greece</p>





## Contact Details:

**Dr. Maria Vasilopoulou**

Institute of Nanoscience and Nanotechnology, NCSR D

**Email:** [m.vasilopoulou@inn.demokritos.gr](mailto:m.vasilopoulou@inn.demokritos.gr)

**Phone:** +30 6957306494

## Venue Details

**Address:** Patr. Gregoriou E & 27 Neapoleos Str  
15341, Agia Paraskevi Athens, Greece

**Phone:** +30 210 6503000

**Email:** [communications@central.demokritos.gr](mailto:communications@central.demokritos.gr)

**Official Website:** [www.demokritos.gr](http://www.demokritos.gr)

