

# Program

## 8<sup>th</sup> International Conference on Materials Science and Nanotechnology: Bridging Sustainable Agriculture and Renewable Energy Technologies (MSNANO-25)

Day 1 01 September, 2025	
11:00-14:00	Registration
15:00-15:10	<b>Introduction: Prof. Dr. Levent Trabzon (Principal Organizer, Istanbul Technical University, Türkiye)</b>
15:10-15:20	<b>Remarks: Dr. Tariq Sajjad (Co-Organizer, LSBU, London, UK)</b>
15:20-16:10	<b>Plenary talk: Prof. Herbert van Amerongen (Wageningen University, Netherlands)</b> Biophysical Insights into Light Harvesting Acclimation and Regulation in Oxygenic Photosynthesis
16:10-16:20	<b>Remarks: Prof. Dr. Rauf-I-Azam, Vice Chancellor, Government College University Faisalabad, Pakistan</b>
16:30	<b>Group Photo</b>
16:30-18:30	<b>Poster Session</b>
18:30-20:30	<b>Gala Dinner</b>

### Day 2 02 September, 2025

Time	Presenter Name	Title of Talk
09:00-09:40	<b>Plenary Talk:</b> Roberta Croce, Vrije Universiteit Amsterdam, Netherlands	Oxygenic Photosynthesis in far-red Light: Mechanisms and Challenges
09:40-10:05	Caner Ünlü Istanbul Technical University, Türkiye	Regulating Photosynthesis through Photonic Materials
10:05-10:30	Abdul Rauf Bhatti, GCUF, Pakistan	Global Status of Renewable Energy Technologies in the Fields of Agriculture, Buildings, Transport and Industry
10:30-10:55	Bilal Islam, FTMC Lithuania	3D Printing of Carbon Fiber Composite with Fillers for Fusion Reactor Applications
10:55-11:25	<b>Tea Break</b>	
11:25-12:05	<b>Plenary Talk:</b> Mojtaba Abdi Jalebi, UCL, England	Engineering advanced materials for renewable energy: perovskite photovoltaic and solar-driven electro-catalysis
12:05-12:25	Mustafa Topbaşoğlu, Sazcılar, Türkiye	Sponsorship talk
12:25-12:45	Özge İbiş Istanbul Technical University, Türkiye	Development of Zn based Quantum Dots and their Interaction with Biomolecules
13:00-14:00	<b>Lunch</b>	
14:00-14:30	Sheida Faraji, Istanbul Technical University, Türkiye	Exploration of New Classes of Solution-processed High- $\kappa$ Dielectric Materials for Low-power, Biodegradable ‘Green’ Electronics
14:30-14:50	Cengiz İpek, Haliç University, Türkiye	Sol–Gel Derived Mg-Doped ZnO Nanoparticles for Smart Agriculture
14:50-15:10	Mudasir Nazir, LSBU, England	Highly Stable Lithium Storage Capacity of Carbon Felt-based K <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> /rGO Anode-based Li-ion Batteries Using Photo-assisted Charging
15:10 – 15:20	Edinburgh Instruments	Sponsorship talk
15:20-15:40	Hadi Hassan, St-Andrews University, Scotland	LSF and LSM Synthesis Using Modified Sol-Gel Synthesis Method
15:40-16:00	Yağız Çoskun Istanbul Technical University, Türkiye	Metal Decoration of Carbon Dots through Microwave Synthesis methods
	Time for excursion	

**Day 3**  
**03 September, 2025**

<b>Time</b>	<b>Presenter Name</b>	<b>Title of Talk</b>
09:00-09:40	<b>Plenary Talk:</b> Siti Khodijah Chaerun Instituted Teknologi Bandung (ITB), Indonesia	QDs nano-fertilizers for Sustainable Agriculture
09:40-10:05	Osman Eksik Gebze Technical University, Türkiye	Assessment of the Use of Coffee Waste in the Production of Epoxy Composites
10:05-10:25	Furkan Kanar, Eskisehir Technical University, Türkiye	Hydrogen Rich Syngas Production from Sugar Beet Pulp Using Mo-Co-Ni/Zeolite Catalyst
10:25-10:45	Hatice Sıla Eryılmaz, Eskisehir Technical University, Türkiye	Utilization of Granular Coffee Production Waste in the Production of Hydrogen-Rich Syngas
10:45-11:10	<b>Tea Break</b>	
11:10-11:40	Cansu Göz, Eskisehir Technical University, Türkiye	Microwave-Assisted Synthesis of MOF-5 and Its Catalytic Activity towards Hydrogen Production
11:40-12:00	Nihan Aydemir Gebze Technical University, Türkiye	Laser Scribed Graphene: Fabrication, Characterization and Applications on Electronics
12:00-12:20	Büşra Temel, Istanbul Technical University, Türkiye	From Waste Cotton to Energy
12:20-12:50	Suela Kellici, LSBU, UK	New pathways in the synthesis of advanced nanomaterials
12:50-12:55	<b>Remarks: Prof. Dr. Saeed Ahmad Buzdar, Vice Chancellor, Thal University Bhakkar, Pakistan</b>	
12:55-13:05	<b>Remarks: Prof. Dr. Rauf-I-Azam, Vice Chancellor, Government College University Faisalabad, Pakistan</b>	
13:05-13:15	<b>Closing Remarks: Prof. Dr. Levent Trabzon (Principal Organizer, Istanbul Technical University, Türkiye)</b>	
13:15-14:00	<b>Lunch</b>	