



International Experts Summit on Materials Science and Nanotechnology

June 16-18, 2025 | Virtual Conference

Greenwich Mean Time (GMT+00:00)

Day 1 (June 16, 2025)

08:30-09:00		AV CHECK
Greenwich Mean Time (GMT+00:00)		
09:00-09:25	FEATURED TALK	Title: Improving the Predictive Accuracy of Machine Learning Models for Ceramic Glaze Gloss via Feature Engineering.
		Jung-Hoon Choi & Kim Jin ho , Korea Institute of Ceramic Engineering and Technology, Icheon 17313, Korea
09:25-09:50	FEATURED TALK	Title: A study of structure-properties relationship of stable radical emitters
		Rasa Keruckiene , Kaunas University of Technology, Lithuania
09:50-10:15	FEATURED TALK	Title: Electroreduction of CO ₂ catalyzed by defective hexagonal boron-nitride: A theoretical study
		Dusan Sredojevic , University of Belgrade, Serbia
10:15-10:40	FEATURED TALK	Title: Technology and dielectric properties of multicomponent PZT-type ceramics modified with praseodymium/tungsten
		Dagmara Brzezińska , University of Silesia, Poland
10:40-11:05	FEATURED TALK	Title: Three-component multiferroic composites – technology, electrophysic and magnetic properties
		Dariusz Bochenek , University of Silesia, Poland
11:05-11:30	FEATURED TALK	Title: Ciprofloxacin removal from wastewater using biochar
		Soran Maria-Loredana , INCDTIM, Romania
11:30-11:55	FEATURED TALK	Title: Preparation and characterization of polyphenolic extracts as possible natural insecticide
		Stegarescu Olimpia-Adina , INCDTIM, Romania
11:55-12:20	FEATURED TALK	Title: Eco-friendly functionalization of graphene with metal oxides using plant extracts: Preparation and characterization
		Ocsana Opriș , INCDTIM, Romania

12:20-12:45	FEATURED TALK	Title: Green synthesis of biochar functionalized with metal oxides for water decontamination
		Soran Maria-Loredana , INCDTIM, Romania
12:45-13:10	FEATURED TALK	Title: Materials based on biochar, Fe3O4 and MnO2 with potential in water depollution
		Stegarescu Olimpia-Adina , INCDTIM, Romania
13:10-13:35	FEATURED TALK	Title: Preliminary tests of pollutant removal using tertiary systems based on graphene functionalized with metal oxides
		Ocsana Opriș , INCDTIM, Romania
13:35-14:00	FEATURED TALK	Title: Advancing Traction on Icy Surfaces Through Bio-Inspired Solutions and Additive Manufacturing
		Shaghayegh Bagheri , George Mason University, USA
14:00-14:30	KEYNOTE TALK	Title: Reconfigurable quantum well structures for adaptive infrared sensing.
		Vladimir Mitin , University at Buffalo, USA
14:30-14:55	FEATURED TALK	Title: Planting Trees: A Shady Solution to Climate Change
		Katherine Johnson , Johnson Consulting Group, Frederick, MD 21702, USA
14:55-15:25	KEYNOTE TALK	Title: Fortifying the Future: The Role of Generative AI in Transforming Cybersecurity
		Ms. Kritika , Cybersecurity Researcher, India
End of Day 1		