



Scientific Program

3rd International Virtual Summit on Materials Science and Engineering
September 27-28, 2025 | Online Conference

Materials Science Summit 2025

September 27, 2025

Time: 10:00 AM | Online Conference | Time Zone: GMT+1 (London, UK)

10:00-10:05

Opening Ceremony

Keynote Speaker Session

10:05-10:30

Title: Molecular insights into the growth and dissociation of double CO₂+TBAB hydrate for energy storage and release

Kairan Yang, Shanghai Jiao Tong University, Shanghai, China

10:30-10:55

Title: Evaluation of the Depth of Cure by Microhardness of Bulk-Fill Composites with Monowave and Polywave LED Light-Curing Units

Socratis Thomaidis, National and Kapodistrian University of Athens, Greece

10:55-11:20

Title: Statistical thermodynamic model for calculation of the self-diffusion parameters in metals

Serhii Bobyr, Uppsala University, Sweden

Plenary Speaker Session

Sessions

Materials Science and Engineering | Electrochemistry | Industrial Chemistry & Applied | Materials Chemistry | Magnetic Materials | Graphene and 2D Materials

**Session
Chairperson**

Socratis Thomaidis, National and Kapodistrian University of Athens, Greece

11:20-11:45	Title: Hydrogen, Ammonia and E-fuels in Chemical/Catalytic Energy Storage
	Blaz Likozar, University of Delaware, United States.
11:45-12:10	Title: Natural Silk Fibroin waste, a new material for Tissue Engineering
	Valeria Elizabeth Bosio, National University of La Plata, Argentina
12:10-12:35	Title: A Novel Organic–Inorganic-Nanocomposite-Based Reduced Graphene Oxide as an Efficient Nanosensor for NO ₂ Detection
	Pooya Gholami, Petroleum and Gas Eng, Semnan University, Iran
12:35-13:00	Title: Advances towards environmental sustainability in cellulose-derived battery separators
	Tayse Circe Turossi, University of Caxias do Sul, Francisco Getúlio Vargas St., Brazil
13:00-13:25	Title: Solving a weather-sensitive inventory model using Goat search algorithm and Oyster collection algorithms
	Suman Maity, Raja Narendra Lal Khan Women's College, W.B., India
13:25-13:50	Title: Estructuras vulnerables ante movimientos sísmicos
	Yessica Zuleika Vargas Atencio, Miviot/Sistema Nacional de Protección Civil, Panama
13:50-14:15	Title: Seeing is believing: Unraveling Gold Nanoparticles Genotoxicity via 4D Atomic Force Microscopy
	Hosam Gharib Abdelhady, Sam Houston State University, USA
14:15-15:00	Poster Speaker Session
P001	Title: Comparative Studies on Grain Quality and Pesticide Residues in Maize Stored in Hermetic and Polypropylene Storage Bags
	Samuel Kofi Nyarko, University of Science and Technology, Ghana
P002	Title: Insights into the Corrosion Inhibition Performance of Isonicotinohydrazide Derivatives for N80 Steel in 15% HCl Medium: An Experimental and Molecular Level Characterization
	Abdelkarim Ait Mansour, University Ibn Zohr, Morocco
Closing & Award Ceremony	
Maveric Scientific Conferences 473 Mundet Place, Ste US689272 Hillside, New Jersey, 07205, USA Email: chemistrysummit383@gmail.com Phone No: +1- 973-253-3800	