




















Day 2 — July 24, 2026 (Parallel Virtual Session)

3rd Global Summit on Materials Science and Engineering

 Virtual Session - CET

TIME	PRESENTATION TITLE
09:00 - 09:20	 Probing non-covalent interactions within π-π stacking assembly by EPR Spectroscopy <i>Dr. Baode Zhang, Liaoning Petrochemical University, China</i>
09:20 - 09:40	 A robust DNA walker for simplified, rapid and sensitive detection of HBV DNA in blood donors <i>Dr. Rongji Lai, Nanning Blood Center, China</i>
09:40 - 10:10	 Chemical Kinetics as Projection Dynamics: Reaction Rates, Barriers and Non-Arrhenius Behaviour <i>Dr. Abhishek Bansal, New Era Consultancy Services, India</i>
10:10 - 10:30	 Molecular mechanism of sesamol in inflammatory bowel disease: Integrative computational, microbiome, and biological evaluation targeting jak1 pathway <i>Miss. Krishnendu P R, Amrita school of Pharmacy, India</i>
10:30 - 10:50	 First-principles theoretical study of adsorption properties of heavy and superheavy elements and their compounds on selected surfaces <i>Prof. Miroslav Iliáš, Joint Institute for Nuclear Research, Russia</i>
10:50 - 11:10	 Evolution stages of periodic relief on the silicon surface under ion irradiation <i>Miss. Mariia Smirnova, Valiev IPT of NRC Kurchatov Institute, Russia</i>
11:10 - 11:30	 Cell Membrane Cholesterol and Diseases Associated with Its Deficiency <i>Dr. Antonina Dunina-Barkovskaya, Moscow Lomonosov State University, Russia</i>
11:30 - 11:50	 Revealing the quadrupole surface plasmon resonance in Ti3C2Tx multilayered maxine <i>Prof. Hayk Minassian, A. Alikhanian National Science Laboratory, Armenia</i>
11:50 - 12:10	 Simulation-based prediction of fiber orientation in highly filled thermoset materials based on process-relevant rheological data <i>Dr. Uta Rösel, Institute of Polymer Technology, Friedrich-Alexander-Universität Erlangen-Nuremberg, Germany</i>

12:10 - 12:30	 Conjugated Poly-Metalla-Ynes for Opto-Electronic Applications <i>Dr. Rayya Al Balushi, A'Sharqiyah University, Oman</i>
12:30 - 12:50	 TBA <i>Mrs. Rumeysa-Hilal-Celik, Niğde Ömer Halisdemir University, Turkey</i>
12:50 - 13:10	 Development of polyamide 6.10 composites reinforced with nickel-coated carbon fibers <i>Dr. Arzu Çankaya & Team, Kocaeli University, Turkey</i>
13:10 - 13:30	 Recycling Biowaste and Residuals into Chemical Products <i>Dr. Manfred Kircher, KADIB, Germany</i>
13:30 - 13:50	 Interfaces in liquid steel processing and related effects <i>Prof. Piotr R. Scheller, TU Bergakademie Freiberg, Germany</i>
13:50 - 14:10	 Accelerated creep/fatigue characteristics estimation using DIC <i>Mr. Radim Halama, Technical University of Ostrava, Czech Republic</i>
14:10 - 14:30	 TBA <i>Dr. Krisna Prak, Imperial College London, UK</i>
14:30 - 14:50	 Photobiomodulation with LED Does Not Alter Antibiotic Sensitivity in ATCC and Burn-Patient Bacteria <i>Dr. Flávia Assunção, University of São Paulo, Brazil</i>
14:50 - 15:10	 Maillard Induced Pea Protein-Polysaccharide Conjugates: A Functionally Enhanced Ingredient for the Food and Beverage Industry <i>Prof. Takuji Tanaka, University of Saskatchewan, Canada</i>
15:10 - 15:30	 TBA <i>Dr. Stewart P. Lewis, Pyramid Polymers LLC, USA</i>
<i>Virtual Program Concludes</i>	