



International Conference on **Polymer Science and Composite Materials**

24-25

NOVEMBER 2025

Prague, Czech Republic

Venue: Panorama Hotel Prague
Milevska 1695/7, 140 63 Prague 4-Nusle, Czechia

Whatsapp: +1 (714) 970-4946
Email: polymerscience@inovineconferenc.es.com
Website: <https://polymerscienceconference.org>

**Theme: Innovations in Polymer
Science and Composite
Materials: Shaping a Sustainable
Future**

Keynote Presentations

Thomas J. Webster
Hebei University of Technology, USA

Title: 30,000 Nano Implants in Human with No Failures...And Still Counting

Hanshen Li
Shanghai Jiao Tong University, China

Title: Uncertainty Operation and Planning Method of Distribution Cyber-Physical System under Low-carbon Era

Keynote Presentation Slots are Available...

Oral Presentations

Livia Valentim Sanches
Universidade Estadual Paulista, Brazil

Title: Synthesis of biodegradable carboxymethylcellulose polymer hydrogels for water stress mitigation and controlled release of nitrogen and phosphate fertilizers

Junidah Lamaming
Universiti Malaysia Sarawak, Malaysia

Title: Physicochemical and Fire-Resistant Properties of Palm-Based Fire Retardant Composite

Abdeslam SKOUDARLI
Nantes University, France

Title: Recycling Biobased Polyurethane Foams for Sustainable Construction Applications

Nurjannah Salim
Universiti Malaysia Pahang Al Sultan
Abdullah, Malaysia

Title: Fiber-Matrix Interactions in Agricultural Biomass Fiber Composites: Role of Bio-Based Polymer as Matrix Phase

Husam Younes Qatar University, Qatar	Title: Sunitinib-Eluting Elastomeric Implants for Diabetic Retinopathy and AMD Treatment: A New Paradigm in Ocular Drug Delivery
MHBM Shariff Khalifa University, UAE	Title: On the electromagnetic Cosserat spectral modelling of fibre-reinforced composites with fibre bending stiffness
Lori D. Coombs Marymount University, USA	Title: From Molecular Design to Mission Readiness: AI-Enhanced Polymers for Aerospace and Defense
Paria Gharavi University of Central Florida, USA	Title: Strain Engineering in Thin Film using Four-dimensional Scanning Transmission Electron Microscopy (4D-STEM) Technique
C. Zamfirescu Durham College, Canada	Title: Integration of Thermochemical Hydrogen Production and Carbon Capture for Carbon Dioxide Recycling
Yaru Cao University of Hong Cong, China	Title: A strategy for fabricate ultralight high load-bearing/ thermal insulation/ flame retardancy/ multifunctional microwave absorbing composite with high temperature resistance by 3D integrated hollow E-glass fabric
Andrey Belousov Kharkiv National Medical University, Ukraine	Title: Impact of Magnetite Nanoparticles (ICNB) on Protein and Lipid Bond Stability in Preserved Erythrocyte Membranes

Osman Adiguzel

Firat University, Department of Physics,
Turkey

Title: Shape Memory Phenomena and Functional Characterization
of Shape Memory Alloys

Paulo César DE MORAIS

University of Brasília, Brazil

Title: Will be updated soon

Jie Zhang

Fourth Military Medical University, China

Title: Low modulus hydrogel-like elastomer sensors with ultra-
fast self-healing, underwater self-adhesion, high durability/
stability and recyclability for bioelectronics

Muhammad Ramzan

The Islamia University of Bahawalpur,
Pakistan

Title: Comparative study of Photocatalytic active surface
characteristics of Gold Copper oxide core shell nanostructures.

Oral Presentation Slots are Available.....

Poster Presentations

Vladimir Pastushenko

Lvov National University, Ukrain

Title: Vacuum Structures

Vladimir Pastushenko

Lvov National University, Ukrain

Title: Unified Theory 2

Albi Ndoni

Alvin Community College, Albania

Title: Human Resurrection using DNA and Biotech

Poster Presentation Slots are Available....
