

2nd International Conference on **Polymer science and Composite Materials**

14-15

SEPTEMBER 2026

Rome, Italy

Venue: Hotel Occidental Aurelia,
Via di Torre Rossa 80, 00165 Rome, Italy

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**Theme: Smart Polymers
and High-Performance
Composites: Bridging
Research and Applications.”**

Oral Presentations

Busra Karakaya Yalcin

Middle East Technical University, Turkey

Title: Design and Characterization of Smart Plant-Based Biopolymer Packaging Materials for Food Applications

Ahmed Draï

Mustapha Stambouli University of Mascarae, Algeria

Title: Analytical Analysis of Vibration Behavior of Bidirectional Coated Nanobeams Made of Functionally Graded Materials.

Maria Cecilia Colautti

Defense University of Republic of Argentina, Argentina

Title: Occupational Exposure to Advanced Polymer Nanocomposites: Emerging Risks in Modern Industry

Faraj alsubaie

University of Strathclyde, UK

Title: Advancing Sustainable Composites: Processing and Performance Pathways for Recycled Carbon Fibre in Circular Economy Applications

Masheer Ul Haq

Université Toulouse, France

Title: N-based Polymer-Ionic Liquid Composite Membranes for CO₂ Capture

Isham Alzoubi

University of Tehran, Iran

Title: Effect of Soil properties for Prediction of Energy consumption in Land Leveling Irrigation

Babita Kumari

Satyawati College, University of Delhi, India

Title: Role of Artificial Intelligence Played in the Field of Agriculture in present and Future World

Osman Adiguzel Firat University, Turkey	Title: Memory Characteristics and Lattice Reactions Governing Reversibility in Shape Memory Alloys
Rodrigo Navia Universidad San Sebastian, Chile	Title: Valorization of low-cost carbon sources for the Production of Biopolymers Using Paraburkholderia xenovorans LB400
Ang YangYu Jilin Agricultural University, China	Title: Theoretical insights into substitution effects on the two heterocyclic thiophene and silicon pentadiene dithienosiloles (DTS)
Koustav Pal Chandigarh University, Mohali, India	Title: Advances in the Tribological Behaviour of Polymer Matrix Composites Reinforced with Natural Fibers: A Comprehensive Review
Sheikh Manjura Hoque Bangladesh Atomic Energy Commission, Bangladesh	Title: Engineering Multifunctional Nanostructures for Advanced Room-Temperature Gas Sensing: From Sustainable Heterostructures to Doped Metal Oxides
Sungwook Cho Kongju National University, South Korea	Title: Multi-density Foam-cell Headrest Design using FastAggressive
Seungmin Ji Kongju National University, South Korea	Title: Enhancing the Performance of Piecewise Integrated Composite Structures through Optimized Machine Learning Data Allocation
Seung ho Kwon Kongju National University, South Korea	Title: Deep-Learning-Based Prediction of Mechanical Properties of Woven Carbon Fiber Reinforced Plastic Considering Crimp Geometry and Weave Pattern

Oral Presentation Slots are Available.....

Poster Presentations

Francisca Acevedo

Universidad de La Frontera, Chile

Title: Advanced Antibacterial Nanocomposites Fibers for Biomedical Applications

Rimi Rashid

Bangladesh Atomic Energy Commission,
Bangladesh

Title: Harnessing Synergistic Interfaces: GO-Ni_{0.5}Zn_{0.5}SnO₂ Nanocomposites for Enhanced Visible-Light Photocatalytic Degradation of Textile Dyes

Keynote Slots are Available.....

Poster Presentation Slots are Available.....

Exhibitor Slots are Available.....