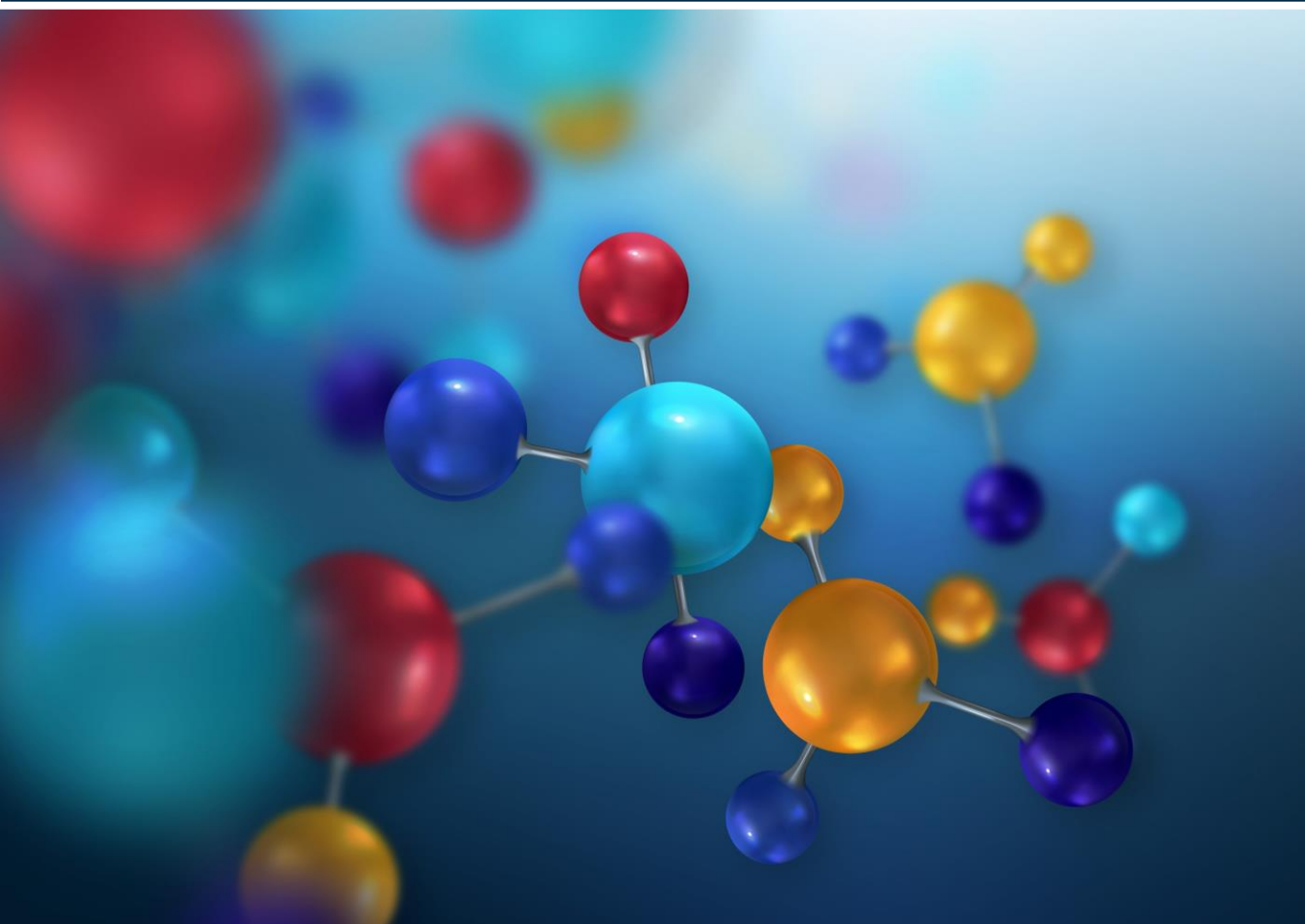




SCIENTIFIC SUMMITS

WSEPCM-2024

Tentative Program



World Summit and Expo on
Polymers and Composite Materials

November 14-16, 2024 | Rome, Italy

DAY-1, 14 November-2024 | Thursday

09:00- 09:10 **Registrations**

09:10- 09:30 **Opening Ceremony**

09:30-10:10 **Title:** 30,000 Orthopedic Implants and Counting: No Infection, No Inflammation, and No Failures
Thomas J. Webster, Hebei University of Technology, China

10:10-10:50 **Title:** Intelligent In-situ Self-healing of Damage in Polymer Composite Structures
Samit Roy, University of Alabama, USA

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10:50-11:10 | Coffee Break

11:10-11:50 **Title:** Advanced Nanocomposite Membranes for Clean Energy and Clean Water Applications
Tai-Shung Chung, National University of Singapore, Singapore

11:50-12:30 **Title:** Environment-assisted degradation of fibres in fibre reinforced polymer composites for advanced concrete structures
Raman Singh, Monash University - Clayton Campus, Australia

11:15-11:55 **Title:** A Decade of Progress in Polymer/Graphene Nanoplatelet Composites: Multifunctional Applications and Innovations
Jun Ma, University of South Australia, Australia

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13:10-14:00 | Lunch Break & Group Photo

14:00-14:30 **Title:** Lignin as a Versatile Renewable Polymer in the Production of Innovative Materials
Biljana Bujanovic, USDA Forest Service, USA

14:30-15:00 **Title:** Towards a Molecular Level Understanding of Polyethylene Glycol as a Solvent
Markus M. Hoffmann, SUNY Brockport, USA

15:00-15:30 **Title:** To be Announced
Chang Jie, South China University of Technology, China

15:30-15:55 **Session Chair:** "Composite Materials Applications"
Title: Current trends and future perspectives of polymer nanocomposites containing carbon-based nanofillers for Electromagnetic Interference Shielding
Marcelo De Sousa Pais Antunes, Polytechnic University of Catalonia, Spain

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15:55-16:15 | Coffee Break

16:15-16:40 **Title:** Interfacial Stability of Polymer Matrix Composites: A Molecular Dynamics Study

Yutaka Oya, Tokyo University of Science, Japan

Session Chair: "Biomaterials and Tissue Engineering"

16:40-17:05 **Title:** To be Announced

Udi Sarig, Ariel University, Israel

Session Chair: "Applications of Polymers in Medicine, Health and Biotechnology"

17:10-17:35 **Title:** To be updated soon

Aharon Azagury, Ariel University, Israel

Title: To be updated soon

17:35-18:00 **Song-Jeng Huang**, National Taiwan University of Science and Technology, Taiwan

****End of Day 01****



Friday November 15, 2024 | Day-2

09:00-09:40	Title: On the Versatility of Anionic Block Polymers as Next-Generation Self-Sterilizing Antimicrobial Surfaces Richard Spontak , North Carolina State University, Raleigh, USA	P
09:40-10:20	Title: Effect of Organo-Clay Fillers on Moisture Uptake and Hygrothermal Response of Pultruded Composites Vistasp M Karbhari , The University of Texas at Arlington, USA	P
10:20-10:50	Conference Local Chair: Title: Breaking the Mold: Exploring the Potential of Biodegradable Polymers in Sustainable Innovation Simona Sabbatini , Polytechnic University of Marche, Italy	K

11:10-11:40	Conference Local Chair: Title: To be Updated Soon Francesca Luzi , Polytechnic University of Marche, Italy	K
11:40-12:10	Title: To be Updated Soon Emil Molnar , Budapest University of Technology and Economics, Hungary	K
12:10-12:40	Title: Development of Functional Heterostructured Nanocatalysts for Green Hydrogen Generation Токеer Ahmad , Jamia Millia Islamia, India	K
12:40-13:05	Title: Experimental Investigation of Concrete Beams Reinforced with External Fiber-Reinforced Polymer Abdelhak AOUADI , University of Bouira, Algeria	I

13:10-14:00 | Lunch Break & Group Photo

14:00-14:25	Title: Electrosynthesis of PolyFilm Modified Graphite Electrode and its Application Towards Determination of Adenine and Guanine Ana Lucia Ferreira de Barros , Federal Center for Technological Education Celso Suckow da Fonseca, Brazil	I
14:25-15:50	Title: Investigation of Mechanical and Physical properties of Polymer Matrix Composite Reinforced with Pineapple Leaf Fiber and Coffee Husk Filler for lightweight applications Moera Guta , Adama Science and Technology University, Ethiopia	I

15:50-16:15 **Title:** The role of Quantum computing to develop the new types of polymers
Omid Ashkani, Islamic Azad University Tehran Science and Research, Iran

Young Researchers Forum (YRF)

16:30-16:55 **Title:** Eco-friendly, biocompatible conductive composites for sustainable electronic application
Aleksandra Kadziela, Warsaw University of Technology, Poland

16:55-17:20 **Title:** To be Announced
Naoki Yamada, Tokyo University of Science, Japan

17:20-17:45 **Title:** To be Announced
Masaharu Katabira, Tokyo University of Science, Japan

End of Day 2

Saturday November 16, 2024 | Day-3

09:00-09:25 **Title:** To be Announced
Tomoya Uyama, Tokyo University of Science, Japan

09:25-09:50 **Title:** Synthesis and Characterization of Cellulose-Based Bioplastic
Ene Awodi, Durban University of Technology, South Africa

P1 **Title:** To be Updated
Virginia Moreno, Universitat Politècnica de València, Spain

Note: This is a tentative program, there might be changes

****Slots Available****

