
Materials
6th Edition
2026
Conference

The 6th International Conference on Materials (ICM 2026)

List of Posters



Poster Session A

Wednesday, 16 September 2026 (11:00–11:30, 12:45–14:00, 15:15–15:45 GMT)

Session	Number	Author	Title
A	1	Fatma Derya Öncel	Generating of PGS uniaxial align electrospun scaffold by using PLA as the sacrificial polymer for ocular tissue engineering
A	2	Hauwa Mohammed Mustafa	Synthesis and Characterization of Sustainable Bioplastic from Agricultural Waste Materials
A	3	Ahmed Tihamiyu	Optimizing Plastic Material Lifecycles through Community-Scale Reuse Systems: Empirical Evidence from Circular Economy Pilots in Low-Income Contexts
A	4	Kathrin Kolling	Synthesis and characterisation of amphiphilic, metal-containing block copolymers via anionic polymerization
A	5	Money Barima	Advancing Green Concrete Technology: A Comprehensive Systematic Review of Coconut Shell Ash and Rice Husk Ash as Sustainable and Environmentally Benign Aggregates
A	6	Vasiliki Panteli	Hybrid Inorganic and Bio-Based Composites and Their Evaluation for Biological Resistance
A	7	Grzegorz Jagło	Influence of substitution with Lead, Zinc, Niobium atoms on the electronic properties of BaTiO ₃ , as studied by means of ab initio methods
A	8	Mulugeta Tilahun Bekele	An AI-Enabled Distributed Materials Intelligence Framework for Translational Innovation in Biomaterials, Energy and Magnetic Materials, Environmental Systems, and Catalysis Using Geospatial and Communication-Aware Technologies
A	9	Zulfiqar Khalil	Plasma Spraying of Magnesium and Nickel Coatings on Spherical Al ₂ O ₃ Granules for Metal Hydride Synthesis: Assessment of Hydrogenation Properties
A	10	Qiang Liu	Comparison study of micro-structure and wear Behavior of Ti-6Al-4V-0.5Ni-0.5Nb alloy drill pipe by different surface treatments for rigorous HTHP drilling application
A	11	Mahmooda Humda	Designed nickel-molybdenum-based bimetallic MOF slender nanosheets for efficient urea oxidation reaction
A	12	Muhammad Bilal	S-Scheme Heterojunction Photocatalysts for Solar Fuel Production and Selective Redox Chemistry

Poster Session B

Thursday, 17 September 2026 (10:45–11:15, 12:45–14:00, 15:15–15:45 GMT)

Session	Number	Author	Title
B	1	Hauwa Mohammed Mustafa	Fermentative Extraction of Lactic Acid from Pearl Corn for Synthesis of Biopolymer
B	2	Wei Wei	Exploring the Versatile Roles of Inorganic Polyphosphate Materials in Biological Systems
B	3	Faisal Latif	Waste-Derived Photocatalytic Composite for Water Treatment
B	4	Money Barima	Optimization of Setting Time and Compressive Strength of Clay-Based Geopolymer Binder Using Response Surface Methodology
B	5	Muhammad Haseeb Hassan	Green Nanocomposite Materials for Efficient Removal of Radioactive and Heavy Metal Pollutants from Wastewater
B	6	Jufeng Huang	Mechanism of sulfate-reducing bacteria on the galvanic corrosion of 825/P110 couple
B	7	Huda El Mubarek	Fluorine applications in Silicon, Silicon Germanium and Germanium
B	8	Sudip Barua	Electrochemical Impedance-Derived Signatures for Early Prediction of Lithium-Ion Battery State-of-Health
B	9	Ke Tong	Research on the Application of Laser Cleaning Technology in Green Remanufacturing of Used Oil Tubing
B	10	Hefayathullah Mohamed Ali	Gold nanodendrites enriched with gold nanoclusters on carbon-fiber as flexible acetaminophen sensor for clinical diagnostics
B	11	Mirza Humaun Kabir Rubel	Enhanced Mechanical Performance and hMSC Stimulation in Hydroxyapatite Particle-Layered Porous Collagen Composite Scaffolds Fabricated under Two-Phase Conditions for Bone Regeneration: An Experimental and Machine Learning Study
B	12	Bidini A. Taleatu	Some protonated mixed metal oxide electrodes for charge storage enhancement in ASSSC devices