

4th Global Virtual Summit on Materials Science & Engineering

Scientific Program

Materials Science 2024

Online (Teams Meeting)

Time Zone: GMT+0 (London, UK)

February 03, 2024

09:00-09:05

Opening Ceremony

Keynote Session

09:05-09:30

Title: Microplastic Removal in Wastewater Treatment Plants (WWTPs) by Natural Coagulation: A Review in SouthEast Asia

Taskeen Reza, Universiti Kebangsaan, Malaysia

09:30-09:55

Title: The role of green nanomaterials as effective adsorbents and applications in wastewater treatment

Reena Singh, National Institute of Technology Patna, India

09:55-10:20

Title: Organically Templated Uranyl Sulfates and Selenates: Structural Complexity and Crystal Chemical Restrictions for Isotypic Compounds Formation

Elizaveta Durova, University Emb. 7/9, Russia

Plenary Speaker Session

Sessions

Materials Science and Engineering ||| Nanomaterials and Nanotechnology |||| Advanced Energy Materials |||| Applications in Material Science Engineering

Session
Chairperson

Taskeen Reza, Universiti Kebangsaan, Malaysia

Reena Singh, National Institute of Technology Patna, India

10:20-10:45

Title: Laminar plasma quenching-tempering: A rapid surface heat treatment technique for controllable modification of the rail steel

Keming Peng, Sichuan University, China

10:45-11:10

Title: New smart bioactive and biomimetic chitosan-based biomaterials as wound dressings

Lenuta Profire, University of Medicine and Pharmacy Grigore T. Popa of Iasi, Romania

11:10-11:35	Title: Composite membrane based on cellulose fibers and recycled polypropylene: a more economic and sustainable alternative for the filtration of particles in the air
	Ilyace korodowou, Abdelmalek Essaadi University, Morocco
11:35-12:00	Title: Simple Strategy for Torque Ripple Minimization in Switched Reluctance Motor Drives
	Italo Almirante, University of Modena and Reggio Emilia, Italy
12:00-12:25	Title: The use of a natural polysaccharide as a solidifying agent and color-fixing agent on modern paper and historical materials
	Lucia Emanuele, University of Dubrovnik, Croatia
12:25-12:50	Title: Research on High Performance Methane Gas Concentration Sensor Based on Pyramid Beam Splitter Matrix
	Boqiang Wang, Harbin Institute of Technology, China
12:50-13:15	Title: Demand for Clean Energies Efficient Development in Building Technologies
	Abdeen Omer, Energy Research Institute (ERI), UK
13:15-13:40	Title: A Mixed Finite Element Approximation for Time-Dependent Navier-Stokes Equations with a General Boundary Condition
	Omar El Moutea, Hassan II University, Morocco
13:40-14:05	Title: Chemical Engineers' in the Face of Cosmetics, Cosmeceuticals and Nutraceuticals: An Overview
	Charles Ivan Salanga, Saint Louis University, Philippines
14:05-14:30	Title: Symbolic 4-Plithogenic Rings and 5-Plithogenic Rings
	Ahmed Hatip, Gaziantep University, Turkey
14:30-14:55	Title: Modification of chitin interfaces for various purposes
	Stefan Fraenzle, University of Dresden Zittau, Germany
14:55-15:20	Title: Design of a Tension Infiltrometer with Automated Data Collection using a Supervisory Control and Data Acquisition System
	David Morales-Ortega, Autonomous University of Querétaro, Mexico
15:20-15:45	Title: Improving the Fatigue Design of Mechanical Systems such as Refrigerator
	Seongwoo Woo , Ethiopian Technical University, Ethiopia
15:45-16:10	Title: The Potential of Grapevine Leaf Extract in Treating Hyperpigmentation
	Shani Shecori, Ariel University, Israel
16:10-17:00	Poster Presentation
P001	Title: Using ZnO Nano Particle Doped Conductive Polymers in X- ray Detection and Detector Development
	Nevin Nur SELÇUK, Istanbul University-Cerrahpasa, Turkey

P002	Title: Targeted Delivery of mRNA with One-Component Multifunctional Sequence-Defined Ionizable Amphiphilic Janus Dendrimers
	Juncheng Lu, University of Pennsylvania, USA
P003	Title: Mechanical Performance of Recycled Slate Waste Fiber Composites Based on Unsaturated Polyester Resins
	Rocío Ruiz-Bustos, University Campus of Rabanales, Spain
P004	Title: Brain-Controlled Robotic Arm
	Fatma Abdelhedi, Universiti Kebangsaan, Malaysia
P005	Title: Study of HACS composed of Transparent Thermal Insulation System Filled with Sustainable Refrigerants and a Pig-Fat Based PCM
	Agustín Torres Rodríguez, National Autonomous University of Mexico, Mexico
P006	Title: Unveiling the Thermoelectric Performances of Zn _{1-x} Fe _x Se Nanoparticles Prepared by the Hydrothermal Method
	Muhammad Isram, University of Modena and Reggio Emilia, Italy
End Of Session	
Closing Ceremoney	
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