

# 5th Global Virtual Summit on Materials Science & Engineering

## Scientific Program

### Materials Science 2024

Online (Teams Meeting)

Time Zone: GMT+1 (London, UK)

June 24, 2024

09:00-09:05

### Opening Ceremony

#### Keynote Sessions

09:05-09:30

Title: Unraveling the Future: FOYSE Technology's Non-Interlaced Textiles Redefining Materials Science and Engineering

Sonia Reynolds , Nottingham Trent University, UK

09:30-09:55

Title: Mechanical behavior and microstructure evaluation of quicklime-activated cement kiln dust-slag binder pastes

Minhui Hu , Liaoning Technical University, China

09:55-10:20

Title: Assessment of Body Mass Index, Body Composition, Physical Activity, and Dietary Preferences in University Students: A Pilot Study

Nadezhda Borzenko, University of Ostrava, Czech Republic

#### Plenary Speaker Session

Sessions

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

Session Chairperson

**Sonia Reynolds , Nottingham Trent University, UK**

**Minhui Hu , Liaoning Technical University, China**

10:20-10:45

Title: Mitigating Co-Activity Conflicts and Resource Overallocation in Construction Projects: A Modular Heuristic Scheduling Approach with Primavera P6 EPPM Integration

Khwansiri Ninpan, Digital Excellence Center, Assystem, France

10:45-11:10

Title: Silicon Carbide Fiber Manufacturing: Technology and Cost

Sefa Yilmaz, Ridge National Laboratory, USA

11:10-11:35	Title: Targeted Delivery of mRNA with One-Component Multifunctional Sequence-Defined Ionizable Amphiphilic Janus Dendrimers
	Juncheng Lu, Brown University, USA
11:35-12:00	Title: A Multi-Shot Approach for Spatial Resolution Improvement of Multispectral Images from an MSFA Sensor
	Yao Jean Yves Aristide, Université Franche-Comté, France
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
	Alejandro Flores Nicolás, University Morelos, Mexico
12:25-12:50	Title: Research on High Performance Methane Gas Concentration Sensor Based on Pyramid Beam Splitter Matrix
	Katerina Gkougkousi, University of Caratheodory s, Greece
12:50-13:15	Performance of Mg/Al and Zn/Al Hydroxide Double Lamellar-Bentonite for Removal of Anionic Azo Dye from Aqueous Solution
	Mohammed Bouhent , Université naouer Oran, Algeria
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	<b>Poster Presentation</b>
P001	Title: Using ZnO Nano Particle Doped Conductive Polymers in X- ray Detection and Detector Development

	Nevin Nur SELÇUK, Istanbul University-Cerrahpasa, Turkey
<b>P002</b>	Title: Targeted Delivery of mRNA with One-Component Multifunctional Sequence-Defined Ionizable Amphiphilic Janus Dendrimers
	Juncheng Lu, University of Pennsylvania, USA
<b>P003</b>	Title: Mechanical Performance of Recycled Slate Waste Fiber Composites Based on Unsaturated Polyester Resins
	Rocío Ruiz-Bustos, University Campus of Rabanales, Spain
<b>P004</b>	Title: Brain-Controlled Robotic Arm
	Fatma Abdelhedi, Universiti Kebangsaan, Malaysia
<b>P005</b>	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
<b>P006</b>	Title: Unveiling the Thermoelectric Performances of Zn <sub>1-x</sub> Fe <sub>x</sub> Se Nanoparticles Prepared by the Hydrothermal Method
	Muhammad Isram, University of Modena and Reggio Emilia, Italy
End Of Session	
Closing Ceremony	
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