



# Scientific Program

**2nd International Virtual Summit on Materials Science and Engineering**  
**November 23-24, 2024 | Online Conference**

## Materials Science Summit 2024

**Time: 10:00 AM | Online Conference | Time Zone: GMT+0 (London, UK)**

**November 23, 2024**

<b>10:00-10:05</b>	<b>Opening Ceremony</b>
<b>Keynote Speaker Session</b>	
<b>10:05-10:30</b>	<b>Title: Core/shell composite phase change materials: A review on green synthesis and their applications</b>
	<b>Aikaterini Feizatidou, Aristotle University of Thessaloniki, Greece</b>
<b>10:30-10:55</b>	<b>Title: Super absorbent core/shell composite materials: A review on synthesis and characterization</b>
	<b>Maria Pastrafidou, Aristotle University of Thessaloniki, Greece</b>
<b>10:55-11:20</b>	<b>Title: Multifrequency impedance characterization for RFID chip</b>
	<b>Benoît Scrofani, YNCREA/ISEN Toulon and STMicroelectronics Rousset, France</b>
<b>Plenary Speaker Session</b>	
<b>Sessions</b>	<b>Materials Science and Engineering   Electrochemistry   Industrial Chemistry &amp; Applied   Materials Chemistry   Magnetic Materials   Graphene and 2D Materials</b>
<b>Sessions Chairperson</b>	<b>Aikaterini Feizatidou, Aristotle University of Thessaloniki, Greece</b> <b>Benoît Scrofani, YNCREA/ISEN Toulon and STMicroelectronics Rousset, France</b>
<b>11:20-11:45</b>	<b>Title: Laser Powder Directed Energy Deposition (LP-DED) Additive Manufacturing: Challenges, Defects, Physical and Mechanical Properties</b>
	<b>Mihai Cretu, SC Protech R&amp;D SRL, Romania</b>
<b>11:45-12:10</b>	<b>Title: Large Language Models in Oncology: Revolution or Cause for Concern?</b>

	<b>Alaa Agala, Cranfield University, United Kingdom</b>
<b>12:10-12:35</b>	<b>Title: Green composites prepared from sheep wool reinforced vulcanised rubber with enhanced physical and mechanical properties</b>
	<b>Seiko Jose , Mahatma Gandhi University, Kottayam, India</b>
<b>12:35-13:00</b>	<b>Title: Effects of Contractual and Relational Governance on Project Performance: The Role of BIM Application Level</b>
	<b>Bing Yi, Sichuan University of Science &amp; Engineering, China</b>
<b>13:00-13:25</b>	<b>Title: Orientation control and defect suppression of wide bandgap perovskite films</b>
	<b>Jing Wei, Beijing Institute of Technology, China</b>
<b>13:25-13:50</b>	<b>Title: Estructuras vulnerables ante movimientos sísmicos</b>
	<b>Yessica Zuleika Vargas Atencio, Miviot/Sistema Nacional de Proyección Civil, Panama</b>
<b>13:50-14:15</b>	<b>Title: Seeing is believing: Unraveling Gold Nanoparticles Genotoxicity via 4D Atomic Force Microscopy</b>
	<b>Hosam Gharib Abdelhady, Sam Houston State University, USA</b>
<b>14:15-14:40</b>	<b>Title: Activation of the Lytic Cycle of Epstein-Barr Virus by Novel Agent NEO212, a Conjugate of Perillyl Alcohol and Temozolomide</b>
	<b>Axel H. Schönthal, University of Southern California (USC), USA</b>
<b>14:40-15:05</b>	<b>Title: Defect And Microstructure Control Of Materials Using The Electron Wind Force</b>
	<b>Md Hafijur Rahman, Pennsylvania State University, USA</b>
<b>15:05-15:30</b>	<b>Title: Tackling Challenges: Exploring the Use of Natural Polymers in the Development of Anticorrosive Coatings</b>
	<b>Ana Alejandra Aguilar Ruiz, Instituto Tecnológico de Sonora, México</b>
<b>15:30-15:55</b>	<b>Title: A Comparative Analysis of Multi-Scale and Rayleigh Approaches in Capturing Eigenfrequencies and Mode Shape Evaluation in Planetary Gear Transmission Systems of Medium and Heavy Trucks</b>
	<b>Mahmoud Mabrouk , Hubei University of Automotive Technology, China</b>
<b>15:55-16:20</b>	<b>Title: Pre-Trained Transformer-Based Models for Text Classification Using Low-Resourced Ewe Language</b>
	<b>Victor Kwaku Agbesi, University of Electronic Science and Technology of China, China</b>
<b>16:20-16:45</b>	<b>Title: IoT Based Drug Infusion Device Using Load Monitoring Technique for Detection of Volume and Flow Rate</b>

Chiang Liang Kok, Associate Professor, University of Newcastle, Australia

16:45-17:15

**Poster Speaker Session**

P001

**Title: Better Detection of Peripheral Arterial Disease with Toe-Brachial Index Compared to Ankle-Brachial Index among Taiwanese Patients with Diabetic Kidney Disease**

**Chia-Wei Chang, Kaohsiung Medical University, Taiwan**

P002

**Title: The Generalized Iterated Function System and Common Attractors of Generalized Hutchinson Operators in Dislocated Metric Spaces**

**Talat Nazir, University of South Africa, South Africa**

**Closing & Award Ceremony**

**Maveric Scientific Conferences  
473 Mundet Place, Ste US689272 Hillside, New Jersey, 07205, USA  
Email: [contact@mavericscientific.com](mailto:contact@mavericscientific.com); Phone No: +1- 973-253-3800**