

5<sup>TH</sup> INTERNATIONAL CONFERENCE ON

# ADVANCED FUNCTIONAL MATERIALS

October 14-15, 2024

RENAISSANCE LONDON HEATHROW HOTEL

LONDON, UK

**Theme:** *“Development of Functional Materials for a Better world”*

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<b>Presentation</b>	Protective Nanocoatings from Polyelectrolytes: Flame Retardancy, Heat Shielding, and Super gas Barrier
	<b>Jaime C. Grunlan, Texas A&amp;M University, USA</b>
<b>Presentation</b>	Exploring the Potential of CsPbBr <sub>3</sub> Perovskite Solar Cells: Experimental and Theoretical Investigations
	<b>Amina Laouid , Nicolaus Copernicus University in Torun ,Poland</b>
<b>Presentation</b>	Membrane Separation Technology in Direct Air Capture
	<b>Naiying Du , National Research Council of Canada (NRC) ,Canada</b>
<b>Presentation</b>	Nickel-Zinc Ferrite and Graphene Nanoplatelet-Enhanced Epoxy Hybrid Nanocomposites
	<b>Sahrim Ahmad , Universiti Kebangsaan Malaysia , Malaysia</b>
<b>Presentation</b>	Flexible Thermoelectrics based on 3D Interconnected Magnetic Nanowire Networks
	<b>Luc Piraux , UCLouvain , Belgium</b>
<b>Presentation</b>	SEWAT - Sustainable Energy by Waves Trap
	<b>Giulio Teodoro Maellaro, University of Padua ,Italy</b>
<b>Presentation</b>	Advanced Carbon Based Materials via Sustainable Synthetic procedure for Sensing and Environmental Applications
	<b>Claudia Espro ,University of Messina,Italy</b>
<b>Speaker Slots Available</b>	
<b>Presentation</b>	Optimizing Piezoelectric Performance in <111> Textured Ceramics Using AC + DC Poling Above the Curie Point
	<b>Adisu Tsige Shibiru,University of Yamanashi,Japan</b>
<b>Presentation</b>	Green Carbon-Based Nanomaterials with Advanced Properties for Environmental Applications
	<b>Viviana Bressi, University of Messina,Italy</b>
<b>Presentation</b>	Iron Porphyrin for Selective Electrochemical Reduction of CO <sub>2</sub> : Synthesis, Characterization and Effect of Electrolyte
	<b>Ait Ahsaine Hassan, Mohammed V university , Morocco</b>
<b>Presentation</b>	Unraveling the Combined Influence of Oxygen Vacancy and B-site Disorder on Exchange Bias in Magnetically Frustrated Poly-crystalline Compounds
	<b>Koustav Pal, Saha Institute of Nuclear Physics,India</b>
<b>Presentation</b>	Topological Hall effect in Quaternary Heusler alloy NiCoMnAl
	<b>Afsar Ahmed, Saha Institute of Nuclear Physics,India</b>

<b>Presentation</b>	Multiple Gold Nanorod Cores Encapsulated in Silica Shell for Improved Surface-Enhanced Raman Scattering and Catalytic Sensing
	<b>Suman Dey , Saha Institute of Nuclear Physics,India</b>
<b>Presentation</b>	An Industrial lignocellulosic Biomass-Derived Functional Materials
	<b>Runcang Sun , Dalian Polytechnic University ,China</b>
<b>Presentation</b>	First principles Calculation of Structural Relaxations and Electronic Properties of Scintillator Materials such as garnet Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> (LuAG) co-doped Ce <sup>3+</sup> and alkali metals (Li <sup>+</sup> , K <sup>+</sup> , Na <sup>+</sup> )
	<b>Mustapha Lasmi,Nuclear Research Centre of Algiers,Algeria</b>
<b>Presentation</b>	Preparation of Catalysts by Corrosion Engineering for Boosting Electrocatalytic Water Oxidation
	<b>Xiaohang Zheng , Harbin Institute Of Technology ,China</b>
<b>Presentation</b>	Fabrication of Fractal Structured Soot Templated Titania-Silver Nano-surfaces for Photocatalysis and SERS Sensing
	<b>Uzma Malik , RMIT University , Australia</b>
<b>Presentation</b>	Calculation of the band Structure of Supercells of Gallium Monochalcogenides and Charge Transfer in these Materials
	<b>Solmaz Mustafaeva , Institute of Physics , Azerbaijan</b>
<b>Presentation</b>	Phyto-Fabrication of Copper Oxide Nanoparticles (NPs) utilizing the Green Approach Exhibits Antioxidant, Antimicrobial, and Antifungal Activity in Diospyros kaki Fruit
	<b>Iftikhar , Shanghai Jio Tong University,China</b>
<b>Presentation</b>	Removal of Heavy Metals from Acid Mine Drainage via Adsorption onto Graphite Oxide/Poly(acrylic acid) Grafted Bulrush Nanocomposite
	<b>Nozipho Nompumelelo , Vaal University of Technology ,South Africa</b>
<b>Presentation</b>	An Injectable Collagen and Gelatin-Based Hydrogel with Tunable Properties for Wound Healing Applications
	<b>Francesca Basso , Istituto italiano di tecnologia ,Italy</b>
<b>Presentation</b>	Supramolecular Organic Semiconducting Polymers: Synthesis, Properties, and Applications
	<b>Aurica Farcas ,Petru Poni Institute of Macromolecular ,Romania</b>

**Oral/Poster Slots Available**  
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Category	Price
Presenter	\$ 599
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- Access to all Presentations
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### DATES TO REMEMBER

Final Abstract submission Closes on	26 <sup>th</sup> September 2024
Early Bird Registration	21 <sup>st</sup> July 2024
On spot registration:	14 <sup>th</sup> October 2024

### GROUP REGISTRATION

Discount available for more than  
3 members



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# Contact Us

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**Venue:** Renaissance London Heathrow Hotel, London, UK

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