



International Virtual Conference on Materials Science & Engineering November 15-16, 2024

SCIENTIFIC PROGRAM

Time Zone: GMT+1, London, UK

Day 01 | November 15, 2024

Opening Ceremony

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10:00-10:10 AM

Keynote Speaker Session

Presentation Time: 10:10-10:40

Dr. Nguyen Ke Quang, MIREA-Russian Technological University, Russia

Presentation Title: Design of metal-organic polymers MIL-53 (M3+). Preparation and characterization of MIL-53 (Fe) and graphene oxide composite

10:40-11:10

Dr. Shabbir Hasan, AGH University of Science and Technology, Poland

Presentation Title: Eco Friendly Synthesis of Carbon Dot by Hydrothermal Method for Metal Ions Salt Identification

11:10-11:40

Dr. Mohamed Ali, Desert Research Center, Egypt

Presentation Title: Effective removal of organic compounds using a novel Cellulose acetate coated by PA/g-CN/Ag nanocomposite membranes

11:40-12:10

Dr. Murat Eroğlu, Technical University, Turkey

Presentation Title: Fabrication and Characterization of Octopus-Inspired Biomimetic Adhesives

12:10-12:40

Dr. Li Zhang, Fudan University, China

Presentation Title: Novel Structures of Type 1 Glyceraldehyde-3-Phosphate Dehydrogenase from Escherichia coli Provide New Insights into the Mechanism of Generation of 1,3-Bisphosphoglyceric Acid

Plenary Speaker Session

Scientific Sessions

Track 01: Materials Science and Engineering
Track 02: Metallurgy, Corrosion and Mining
Track 03: Electrical, Optical, and Magnetic Materials
Track 04: Mining and Metallurgy
Track 05: Biomaterials
Track 06: Materials Chemistry & Nanotechnology
Track 07: Ceramics and Magnetic Materials
Track 08: Graphene and 2D Materials
Track 09: Fibers and Composites

Sessions Chairperson

Dr. Mohamed Ali, Desert Research Center, Egypt

Dr. Murat Eroğlu, Technical University, Turkey

Presentation Time: 12:40-13:10

Dr Shankar A. Hallad, B.V. Bhoomaraddi College of Engineering and Technology, India

Presentation Title: Experimental Investigation for Graphene and Carbon Fibre in Polymer based Matrix for Structural Applications

13:10-13:40

Dr. Zunaira Huma Ghauri, University of the Punjab, Pakistan

Presentation Title: Development and evaluation of pH-sensitive biodegradable ternary blended hydrogel films (chitosan/guar gum/PVP) for drug delivery application

13:40-14:10

Dr. Umer Youna, University of Lahore, Pakistan

Presentation Title: Radical Scavenging and Catalytic Activities of bio-synthesized Bimetallic (Cu-Fe and Cu-Ni) Nanoparticles

14:10-14:40

Dr. Pham Trung Kien, Vietnam National University, Vietnam

Presentation Title: Development of hydroxyapatite-coated titanium at low temperature using hydrothermal method

14:40-15:10

Dr. Sangeeta Yadav, Babasaheb Bhimrao Ambedkar University, India

Presentation Title: Quorum sensing- a promising tool for degradation of industrial waste containing persistent organic pollutants

15:10-15:40

Dr. Rajamouli Boddula, Uka Tarsadia University, Gujarat, India

Presentation Title: Strategic design to obtain bright-white light emission via controlled energy transfer from a ligand to Eu(III) ion: its versatile application

15:40-16:10

Dr. Ashraf Fadiel, Omar Al-Mukhtar University, Libya
Presentation Title: Woodcrete: promising construction material

16:10-16:40

Dr. Ayomide Titus Ogungbemi, Cyprus International University, Turkey
Presentation Title: Does Particle Size in Nanofluid Synthesis Affect Their Performance as Heat Transfer Fluid in Flat Plate Collectors?—An Energy and Exergy Analysis

End of Session_Day 01

Day 02 | November 16, 2024 | 10:00 AM, London, UK Time

Opening Ceremony

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10:00-10:10 AM

Keynote Speaker Session

10:10-10:40

Dr. Filston Rukerandanga, Pan African University, Kenya
Presentation Title: Ultra-Low Power All-Optically Tuned Hybrid Graphene Ultra Silicon-Rich Nitride Ring Resonator-Based Add-Drop Filter for DWDM Systems

10:40-11:10

Dr. Xiaobi Chen, Xi'an Jiaotong University, China
Presentation Title: Poincaré Plot Nonextensive Distribution Entropy: A New Method for Electroencephalography (EEG) Time Series

Plenary Speaker Session

Scientific Sessions

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Sessions Chairperson

Dr. Filston Rukerandanga, Pan African University, Kenya
Dr. Xiaobi Chen, Xi'an Jiaotong University, China

11:10-11:40

Dr. Bachir Gherbi, University of El Oued, Algeria
Presentation Title: Effect of pH Value on the Bandgap Energy and Particles Size for Biosynthesis of ZnO Nanoparticles: Efficiency for Photocatalytic Adsorption of Methyl Orange

11:40-12:10

Dr. Panchal Bhargav M, National Institute of Technology, India
Presentation Title: Fractal Electrode based FBAR Filters and Gas Sensors

12:10-12:40

Dr. Sanele Dlamini, University of KwaZulu-Natal, South Africa
Presentation Title: The Chilean Diet: Is It Sustainable?

End of Session_Day 02

Awards & Closing Ceremony

Research SlideShare Conferences, 40 Bank Street, Docklands, E14 5NR, United Kingdom
Email: contact@researchslideshare.com, materials@researchslideshare.com
Phone Number: +44-2033530047