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7th International Conference on

NANOSCIENCE

June 28-30, 2023 | London, UK



Allied Academies: 317 Boundary House Cricket Field Road, Uxbridge Middlesex, UB8 1QG, UK
Tel: +44 203-769-1755 | +44 741-860-2028

Scientific Program

Nanoscience 2022

AGENDA

Wednesday | June 28, 2023 | Day 1

Conference Hall: Meeting Room 8

Opening Ceremony | 09:00 -09:15

Keynote Forum

9:15-10:00

Title: Artificial Intelligence (AI) in biomedical engineering

Hossein Hosseinkhani | Innovation Center for Advanced Technology | USA

10:00-10:45

Title: Nanotechnology and cardiovascular diseases

Omer Iqbal | Loyola University Stritch School of Medicine | USA

Group Photo | Networking & Refreshment Break 10:45-10:55 @ Foyer

10:55-11:40

Title: NF-κB the key "factor" in breast cancer metastasis

Rikesh Shah | Rikesh's Remedies Corporation | United Kingdom

11:40-12: 25

Title: Nanotech skin coating

Christina Rahm | The Root Brands LLC | USA

Panel Discussion

Session: Nanoscience and Nanotechnology | Nanomaterials and Nanomedicine | Materials Science and Engineering



Session Chair: Omer Iqbal | Loyola University Stritch School of Medicine | USA

12:25-12:55	Title: Chaotic-hierarchical computation from neural processing using superconducting qubits (SQ) reveals coherent magnetic nanomaterials **Luis Manzo** | Ankh Tech | Mexico
12:55-13:25	Title: Developing sustainable materials and solutions for the construction industry using graphene **Tarcizo Cruz** | Gerdau Graphene | Brazil
13:25-13:55	Title: Water soluble electrolyzed silicon dioxide **Christina Rahm** | The Root Brands LLC | USA

Lunch Break 13:55-14:40 @ Red Daimond Restaurant

Session: Nanotechnology in Energy and Environment | Nanobiotechnology and Nanotoxicology | Pharmaceutical Nanotechnology	
	**Session Chair:** Hossein Hosseinkhani | Innovation Center for Advanced Technology | USA
14:40-15:10	Title: Band-gap engineering in semiconducting nanomaterials: current progress and future prospective in opto electronic applications **Anju Anna Jacob** | Emirates Aviation University | United Arab Emirates
15:10-15:40	Title: Nanotechnology sensors and future **Alberto Roldan** | Artificial Intelligence and Business Analytics Group | USA
15:40-16:10	Title: Novel application of quantum dots for encryption of samples during clinical trials **J E Rachel Nivedita** | Bharat Institute of Technology | India
	Networking & Refreshment Break 16:10-16:25 @ Foyer
16:25-16:55	Title: Role of thermal radiation, viscous dissipation, slip boundaries, and double-diffusivity convection on MHD flow of Williamson nanofluid through an asymmetric channel **Safia Akram** | National University of Sciences and Technology | Pakistan
16:55-17:25	Title: Capacitive de-ionization with graphene-based electrodes for lead removal **Anissa Auoni** | Centre for Water Research and Technologies | Tunisia
Poster Forum (17:25-18:15)	
PP01	Title: Polymer-ceramic nanocomposite for energy storage applications **Micheline Bejjani** | American University in Dubai | United Arab Emirates
PP02	Title: Flexible eco-friendly piezoelectric nanogenerator based on BTO NWs and PVDF composite **Maria Ada Malvindi** | HiQ-Nano srl | Italy
PP03	Title: A safe by design approach on Fluorescent silica nanoparticles for the development of a new a safe by design e-infrastructure platform **Anu Vrat Sharma** | Bharat Institute of Technology | India
PP04	Title: Novel application of quantum dots in precise estimation of drug distribution in excipient matrix **Namratha Sunkara** | Bharat Institute of Technology | India
PP 05	Title: Zn-based additives for the biodegradability of anodized magnesium AZ31 alloy using electrochemical treatment strategies **Zeeshan Ur Rehman** | Changwon National University | Republic of Korea
B2B Meeting	

Certificates and Award Presentations

Thanks Giving & Closing Ceremony

Thursday | June 29, 202 | Day 2

Gathering/Introduction | 09:00-09:15

Keynote Forum

09:15-09:45

Title: Effects of Thermophysical, Hydrodynamics and Thermal Characteristics of Well Stable Metallic Nanofluids on Energy Transportation

Waqar Ahmed | University of Malaya | Malaysia

09:45-10:15

Title: Application of nanoparticles in horticultural biotechnology of ornamental plants

Dariusz Kulus | Bydgoszcz University of Science and Technology | Poland

10:15-10:45

Title: Fatigue behaviour of friction stir additive manufactured aluminium alloy AA2219

Dhanesh G Mohan | Harbin Institute of Technology | China

Networking & Refreshment Break 10:45-11:00

11:00-11:30

Title: Nanoemulsion concept for water-poor soluble anti-cancer drugs to improve therapeutic benefit

Bhupendra G Prajapati | Ganpat University | India

11:30-12:00

Title: PLGA-based nanostructures at biological interfaces: current status and prospects

Juhi Saxena | Chandigarh University | India

Panel Discussion

Session: Nanoengineering and Nanofabrication | Nanoelectronics and Nanoplasmonics | Additive Manufacturing | Biomaterials and Tissue engineering



Session Chair: Christina Rahm | The Root Brands LLC | USA

12:00-12:20

Title: Alcohol metabolism accelerating composition

Christina Rahm | The Root Brands LLC | USA

12:20-12:40	Title: The physiochemical effects on hydrocarbons in a subterranean formation **Len Bland** | Nano Gas Environmental | USA
12:40-13:00	Title: Design and application of multifunctional stimuli-responsive systems for sensing and diagnostic **Helena Iuele** | CNR NANOTEC Institute of Nanotechnology | Italy
	Lunch Break 13:00-13:45
	Panel Discussion
	Session: Smart Materials | Carbon Nanotubes and Nanoparticles | Nanochemistry and Nanotribology |Nanotechnology in Dermatology
	**Session Chair:** Osman Adiguzel | Firat University | Turkey
13:45-14:05	Title: Biochemical composition & method and support for cognitive function **Christina Rahm** | The Root Brands LLC | USA
14:05-14:25	Title: Green nano photocatalysts and their immobilization for easy recovery and enhanced photocatalytic activity **Seema Garg** | Amity University | India
14:25-14:45	Title: Structural and dynamic mechanical analysis of composite films produced with Graphene Nanoplatelets/HDPE/LDPE **Rodrigo Polkowski** | Ford Motor Company | Brazil
14:45-15:05	Title: Redox-active lithium metal-organic-frameworks as electrode material for high performance battery applications **Umer Aziz** | GIK Institute of Engineering Sciences and Technology | Pakistan
15:05-15:25	Title: A Study on the Shape Memory Effect of Biocompatible and Biodegradable Polylactic Acid (PLA) Reinforced with MWCNTs **Negin Haghighat Naeini** | AmirKabir University | Iran
15:25-15:45	Title: Application of green synthesized silver nanoparticles to control cotton insects **Heba Alshater** | Menoufia University | Egypt
	Networking & Refreshment Break 15:45-16:00
16:00-16:20	Title: The optical properties of individual silver nanoparticles in Ag/Ag_2O composites synthesized by oxygen plasma treatment of silver thin films **Kamal Kayed** | Damascus University | Syria

16:20-16:40	Title: The use of green nano hydrogen as fuel and its effect **Abdelsalam Abuzreda** | University of Benghazi | Libya
16:40-17:00	Title: Toxicity of iron oxide nanoparticles, on antioxidant enzymes and free radicals in male rats **Abdelsalam Abuzreda** | University of Benghazi | Libya
17:00-17:20	Title: Carbon based materials for future application in nanotechnology **Habtamu Fekadu Etefa** | Dambi Dollo University | Ethiopia
17:20-17:40	Title: New carbon quantum dot (PQC) synthesis method **Godwe Moise** | University of Maroua | Cameroon
Panel Discussion	
Poster Forum (17:40-18:00)	
PP01	Title: Nanotechnology in the Food and Cosmetics Sectors: A Study of Policy and Regulatory Frameworks in the UK **Kehinde Jola** | Bournemouth University | UK
Certificates and Award Presentations	
Thanks Giving & Closing Ceremony	

