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Scientific Program

7th International Conference on

Nanoscience

June 28-30 - London, UK



NANOSCIENCE 2023

Pulsus Group

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35 Ruddlesway, Windsor, Berkshire, SL4 5SF

London, United Kingdom

https://nanoscience.pulsusconference.com/

Scientific Program

Nanoscience 2023

Wednesday June 28, 2023 | Day 01

Opening Ceremony | 09:00 -09:15

Keynote Forum

09:15 - 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

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

Sessions on: 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

Sessions on: 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

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
PP05	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

Thanks Giving & Closing Ceremony

Thursday | June 29, 2023 | Day 02

Opening Ceremony 09:00 - 09:15

Keynote Forum

09:15-09:45	Title: Shape reversibility and thermo mechanical reactions in memory behavior of shape memory alloys Osman Adiguzel | Firat University | Turkey
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: Effects of Thermophysical, Hydrodynamics and Thermal Characteristics of Well Stable Metallic Nanofluids on Energy Transportation Waqar Ahmed | University of Malaya | Malaysia

Sessions on: 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
	Sessions on: 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**
	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**
	Day 03 Slots Available
	Please note that this is a Tentative Program. Timings in this program may subject to change

