

2<sup>nd</sup> International Conference on  
**Advanced Nanomaterials  
and Nanotechnology**

November 20-21, 2023 | Vienna, Austria

# Conference Programme

# Conference Programme

November 20-21, 2023, Flemings Hotel Wien - Stadthalle, Vienna, Austria

## Day 1- November 20 , 2023

Meeting hall: Fleming Room 6

8.30- 8.45

Registrations

8.45-9.00

Introduction

## Keynote Presentations

9.00 - 9.45

**Ali Al-Samydai**, Al-Ahliyya Amman University, Jordan

Title: Meta-analysis of Nano-Phytosomes: Unleashing the Potential of Plant-Derived Compounds for Advancing Cancer Therapy

9.45 - 10.30

**Pierre Kalenga Mubiayi**, University of Witwatersrand, South Africa

Title: Improving the Properties and Applications of Perovskite Nanocrystals

10.30 - 11.15

**Samuel Adeloju**, Charles Sturt University, Australia

Title: Fabrication of Novel Nanobiosensors by Enzyme Activated Biofunctionalisation of Nanowires Array

**Networking and Refreshments : 11.15 - 11.45 @ Foyer**

## Oral Presentations

Session Chair:

*Ion Razvan Radulescu, National R&D Institute of Textile & Leather, Romania*

Session Chair:

*Pierre Kalenga Mubiayi, University of Witwatersrand, South Africa*

Session Chair:

*Arindam Banerjee, Indian Association for the Cultivation of Science, India*

**Sessions:** Nanomaterials and Nanotechnology, Advanced Materials and Functional Devices, Lipid Nanotechnology, Applications of Nanotechnology, Nanoparticles, Nano Medicine & Life Sciences, Graphene and Fullerenes, Nano Physics & Nano Chemistry

11.45 - 12.10

**Bambang Sugeng Subagio**, Bandung Institute of Technology, Indonesia

Title: Experimental Study of Natural Nano Silica and Nano Fly Ash on the Resilient Modulus of Indonesian Asphalt Mixtures

12.10 - 12.35

**Sina Matalqah**, Al-Ahliyya Amman University, Jordan

Title : Evaluation of Cytotoxicity and Antibacterial activity of Green synthesized silver Nanoparticles using Hedera Helix Extract

12.35 - 13.00

**Ion Razvan Radulescu**, National R&D Institute of Textile & Leather, Romania

Title: Design Solutions for Flexible Conductive Textile Structures

**Group Photo: 13.00 - 13.15**

**Lunch @ Flemings Restaurant: 13.15 - 14.00**

14.00 - 14.25

**Hans Agren**, Uppsala University, Sweden

Title: Extended Discrete Interaction Model for Ultrafine, 1 - 10 Nm, Nanoparticle Plasmonics

14.25 - 14.50

**Hiroyuki Aoki**, Japan Atomic Energy Agency, Japan

Title: Conformation and Dynamics of Acylate Polymers at Interface

14.50 - 15.15

**Arindam Banerjee**, Indian Association for the Cultivation of Science, India

Title: Carbon Dot Based Functional Nanohybrids and Surface Modification of Carbon Dots through Peptide Covalent Conjugation

15.15 - 15.40

**Ali Al-Samydai**, Al-Ahliyya Amman University, Jordan

Title: Preparation, Characterization, Wound Healing, and Cytotoxicity Assay of PEGylated Nanophytosomes Loaded with 6-Gingerol

15.40 - 16.05

**Jacek Siódmiak**, Bydgoszcz University of Science and Technology, Poland

Title: Structural Determinants of Intrinsic Vibrations of Fullerenes

**Networking and Refreshments: 16.05 - 16.30 @ Foyer**

16.30 - 16.55

**Iskander Akhatov**, Bashkir State Medical University, Russia

Title: Nano-Sized Powder of Natural Hydroxyapatite for Reconstructive Surgery

16.55 - 17.20

**Vladimir Kostishin**, National Research Technology University "MISA", Russia

**Title:** Magnetic Properties and Structure of Nanohexaferrites  $\text{BaFe}_{12-x}\text{Ni}_x\text{O}_{19}$  and  $\text{BaFe}_{12-x}\text{Co}_x\text{O}_{19}$  Powders Synthesized by the Hydrothermal Method

**Day 1 Concludes followed by Awards Ceremony**

**Day 2 - November 21 , 2023**

**Meeting hall: Fleming Room 6**

### **Keynote Presentations**

9.00 - 9.45

**Siti Hasnah Kamarudin**, Universiti Teknologi MARA, Malaysia

Title: Transforming Waste to Wealth: Recycling Plastic Waste into Value-Added Products for Achieving Circular Economy

9.45 - 10.30

**Fuad Fares**, University of Haifa, Israel

Title: Development of Long-Acting Recombinant Proteins: From Bench to Clinics

### **Networking and Refreshments : 10.30 - 11.00 @ Foyer**

11.00 - 11.45

**Imran Shahid**, Qatar University, Qatar

Title: IOT Based Sensors Network for Air Quality Monitoring in Urban Environment of Qatar

### **Oral Presentations**

Session Chair:

**Ali Al-Samydai**, Al-Ahliyya Amman University, Jordan

Session Chair:

**Jacek Siódmiak**, Bydgoszcz University of Science and Technology, Poland

**Sessions:** Nanoscience and Technology, Nanomaterials and Nanotechnology, Material Science and Engineering, Nano Medicine & Life Sciences, Nanodevices and Nanosensors, Nanocomposite, Fundamentals and Properties of Nanomaterials, Nanoparticles, Nano Medicine & Life Sciences

11.45 - 12.10

**Ali Al-Samydai**, Al-Ahliyya Amman University, Jordan;  
**Amal Mayyas**, American University of Madaba, Jordan

Title: Formulating Co-Loaded Nanoliposomes with Gallic Acid and Quercetin for Enhanced Cancer Therapy

12.10 - 12.35

**Abdul Shakoor**, Qatar University, Qatar

Title: Erosion Behavior of Ni-P-ZrO<sub>2</sub> Nanocomposite Coatings Developed Through Various Techniques

12.35 - 13.00

**Valeri Ligatchev**, Member of The Electrochemical Society, Singapore

Title: On Thermal Stability of Fröhlich Polarons

**Lunch @ Restaurant: 13.00 - 14.00 @ Flemings Restaurant**

14.00 - 14.25

**Hany Al-hussaniy**, Iraqi Medical Research Center, Iraq

Title: Preparation and Characterization of Sweet Orange Oil Nanoemulsion

14.25 - 14.50

**Lawrence Whitmore**, Paris Lodorn University of Salzburg, Austria

Title: Sample Preparation for the Investigation of Nanomaterials using 3D Printed Tools

**Poster Presentations**

Poster -01

**Abdirash Akilbekov**, L N Gumilyov Eurasian National University, Kazakhstan

Title: Identification and Thermal Stability of Defects in Zro2 Ceramic Irradiated with Swift Heavy Ions

Poster -02

**Debopriya Sinha**, National Institute of Technology, Rourkela, India

Title: Synthesis of Sub-10 Nm Nanodiamonds Via Hydrothermal Synthesis Route

Poster -03

**David Odetade**, University of Birmingham, United Kingdom

Title: Topological Design of Nanostructured SERS Substrates for Early Detection of Traumatic Brain Injury

Poster -04

**Alma Dauletbekova**, L N Gumilyov Eurasian National University, Kazakhstan

Title: Synthesis and Experimental-Theoretical Study of a New Type of Nano-Heterostructures

Poster -05

**Hany Al-hussaniy**, Iraqi Medical research Center, Iraq

Title: Nanoemulsions as Medicinal Components in Insoluble Medicines

Poster-06

**Lucia Machova Urdzikova**, Institute of Experimental Medicine CAS, Czech Republic

Title: Polymer-Coated Hexagonal Upconverting Nanoparticles for the use in a Cancer Treatment

Poster-07

**Corina-Lenuta Logigan**, "Gheorghe Asachi" Technical University of Iasi, Romania

Title: Design of Innovative Gels Based on Thiolated Chitosan and Double Bonds Functionalized Cyclodextrin Formed *via* Thiol-Ene Coupling

Poster-08

**Catalina-Anisoara Peptu**, "Gheorghe Asachi" Technical University of Iasi, Romania

Title: Chitosan Grafted Poly (Ethylene Glycol) Methyl Ether Acrylate Nanoparticles as Drug Delivery System

Poster -09

**Iskander Akhatov**, Bashkir State Medical University, Russia

Title: Biocompatibility Assessment of the Nanostructured Titanium Implants with PEO Coating

**Networking and Refreshments: 16.00- 16.30 @ Foyer**

**Day 2 Concludes followed by Awards Cremony and Vote of Thanks**



*Bookmark The Date*

3<sup>rd</sup> International Conference on  
**Advanced Nanomaterials  
and Nanotechnology**

October 10-11, 2024 | London - UK



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