

# V-NANO2024

**8<sup>th</sup> Edition of**

## **Nanotechnology and Nanomaterials**

**Virtual**

**September 13-14, 2024**

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**Contact us:**

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Webinar  
Timings

Speakers  
Timings

07:00 – 07:10

Introduction

07:10 – 07:50

09:10 – 09:50

P

Title: Atomistic simulations of diffusion processes in crystalline materials  
**Rafal Kozubski, Jagiellonian University in Krakow, Poland.**

07:50 – 08:30

04:50 – 05:30

P

Title: Modulating asymptotic temperature in magnetic hyperthermia via exotic magnetic nanomorphology  
**Paulo Cesar De Morais, Catholic University of Brasilia, Brazil.**

08:30 – 09:05

17:30 – 18:05

K

Title: Ultrasoft nanomesh electronics for on-skin applications  
**Sunghoon Lee, RIKEN, Japan.**

09:05 – 09:40

11:05 – 11:40

K

Title: Potential application of chitosan derivatives-based micelles containing farnesol in wound healing  
**Marzia Cirri, Univ. Florence, Italy.**

09:40 – 10:15

11:40 – 12:15

K

Title: Effects of lattice arrangements on the optical and transport properties of plasmonic Ag-LiNbO<sub>3</sub>  
**Rosa María de la Cruz, University Carlos III of Madrid, Spain.**

10:15 – 10:50

11:15 – 11:50

K

Title: Developing Portable Detection  
**Lynn Dennany, University of Strathclyde, UK**

10:50 – 11:25

12:50 – 13:25

K

Title: Emerging Hybrid Organic/Inorganic Semiconductors for Quantum Nanoelectronics & Spintronics  
**Afaf El-Sayed, Centro de Física de Materiales CSIC, Spain.**

11:25 – 11:30 E-poster

Title: Catalytic Steps on the Open-Edge Sites of Nitrogen-Doped Carbon Nanotubes as Cathode Catalyst for Hydrogen Fuel Cells

**Feng Gao, Southern University and A&M College, USA.**

11:30 – 12:10 07:30 – 08:10 P

Title: 30,000 Orthopedic Implants and Counting: No Infection, No Inflammation, and No Failures

**Thomas J. Webster, Hebei University of Technology, USA**

End of the Day One

Day-2

September 14, 2024

GMT 07:00 – 12:10

Webinar  
Timings

Speakers  
Timings

Introduction

07:00 – 07:10

Title: Nano, Catalysis and Hydrogen Energy

07:10 – 07:50 12:40 – 13:20 P

**Tokeer Ahmad, Jamia Millia Islamia, India.**

07:50 – 08:25 16:50 – 17:25 K

Title: Evaluation of the Response Difference Between Polar and Non-Polar Organic Solvents Based on Multi-Walled Carbon Nanotube Paper Gas Sensor

**Mengli Zhang, Hiroshima University, Japan**

08:25 – 09:00 10:25 – 11:00 K

Title: MXene dots as Photocatalysts

**Hermenegildo Garcia, Universitat Politecnica de Valencia, Spain.**

09:00 – 09:35	12:00 – 12:35	K	<p>Title: Production of Nano-starch and Nano-cellulose Crystal-based Biomaterials Derived from Plant Cellulose as Bio-coating for Drug Delivery, Wound Healing and Biofilm: It's Industrial Application</p> <p><b>ABM Sharif Hossain, Imam Mohammad Ibn Saud Islamic University, Saudi Arabia.</b></p>
09:35 – 10:10	17:35 – 18:10	K	<p>Title: Trends in nanosorbent-based solid phase extraction techniques for analytical quantification of antibiotics</p> <p><b>Noorfatimah Yahaya, Universiti Sains Malaysia, Malaysia</b></p>
10:10 – 10:30	12:10 – 12:30	I	<p>Title: A Computational and Experimental Study on Lipid-Functionalized Epigallocatechin-3-gallate Nano antioxidant Encapsulated in PLGA Matrix</p> <p><b>Simona Sabbatini, Polytechnique University of Marche, Italy.</b></p>
10:30 – 10:50	12:30 – 12:50	I	<p>Title: Nasal Administration of Hyaluronic Acid-Based Hybrid Nanoparticles Loaded with Dimethyl Fumarate</p> <p><b>Carla Serri, University of Sassari, Italy.</b></p>
10:50 – 11:10	12:50 – 13:10	I	<p>Title: Dynamically reconfigurable helical nanofilaments entwined with liquid crystalline anisotropic nanoparticles</p> <p><b>Martyna Wasiluk, University of Warsaw, Poland.</b></p>
11:10 – 11:30	19:10 – 19:30	I	<p>Title: Development and Characterization of Sodium Alginate/Graphene Nanoplatelet Nanocomposites</p> <p><b>Syarifah Nuraqmar Syed Mahamud, Universiti Malaysia Perlis, Malaysia.</b></p>
11:30 – 11:50	13:30 – 13:50	I	<p>Title: Cu-Doped Gold Nanoclusters for CO2 Electroreduction</p> <p><b>Sara Goberna Ferrón, CSIC-UPV, Spain.</b></p>
11:50 – 12:10	14:50 – 15:10	I	<p>Title: Shape Reversibility and Temperature Deformation Dependent in Shape Memory Alloys</p> <p><b>Osman Adiguzel, Firat University, Turkey.</b></p>

**Closing Ceremony**