



NANOTECH2024

Scientific Program

Global Congress on

Nanotechnology and Nanomaterials

April 25, 2024 | Virtual

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Day 01, Thursday, April 25, 2024

Time Zone : Italy (GMT+1)

11:00-11:40	P	<p>Title: Direct Observation of Electromagnetic Field and Collective Motion of Electrons</p> <p>Daisuke Shindo, <i>Tohoku University & RIKEN, Japan</i></p>
11:40-12:15	K	<p>Title: Effective Strategy to Make Thin Adhesive Composite Film with High Through-Plane Thermal Conductivity</p> <p>Shu-Lin Bai, <i>Peking University, China</i></p>
12:15-12:55	P	<p>Title: Advanced polymer membranes for H₂ purification and separation</p> <p>Chung Tai-Shung Neal, National University of Singapore (NUS), Singapore</p>
12:55-13:20	I	<p>Title: Rhamnolipid Biosurfactant Coated Zinc Oxide Micro-Flowers: A Credible Approach Towards Potential Biodegradation of Petroleum Hydrocarbon</p> <p>Kaustuvmani Patowary, <i>University of Science and Technology Meghalaya (USTM), India</i></p>
13:20-14:00	P	<p>Title: will be updated</p> <p>Vladimir Chigrinov, <i>Hong Kong University of Science and Technology, Hong Kong</i></p>
14:00-14:35	K	<p>Title: Constructing Morphologically Carbon Nanomaterials Derived from Pencil for Supercapacitors</p> <p>Han-Wei Chang, <i>National United University, taiwan</i></p>
14:35-15:00	I	<p>Title: CloneSeq: Highly Sensitive Single-cell Based Platform for Comprehensive Characterization of 3D Cultured Cells</p> <p>Oren Ram, <i>Hebrew University of Jerusalem, Israel</i></p>
15:00-15:25	I	<p>Title: Exploring Room-Temperature Ferromagnetism and Half-Metallicity in New Halide Perovskites RbCrX₃ (X: F, Cl, Br, I) Using Monte-Carlo Simulations</p> <p>Altaf Ur Rahman, <i>Riphah International University, Pakistan</i></p>
15:25-15:50	I	<p>Title: Comparison of Optical and Luminescence Properties of as Prepared and Annealed ZnO Nanoparticles Prepared Using sol-Gel Method</p> <p>Francis Birhanu Dejene, <i>Walter Sisulu University, South Africa</i></p>
15:50-16:30	P	<p>Title: Combining Radiofrequency Therapy and Nanocomposite Materials</p> <p>Paulo Cesar de Moraes, <i>Catholic University of Brasilia, Brazil.</i></p>
16:30-17:05	K	<p>Title: Nanomaterials As Catalysts for Air Pollution Prevention</p> <p>Nataša Novak Tušar, <i>National Institute of Chemistry, Slovenia</i></p>

17:05-17:45	P	<p>Title: Organic Liquid Hydrogen Carrier Reactions: Ab Initio Multiscale Catalytic (De)hydrogenation Reaction Modelling</p>
<p>Blaž Likozar, <i>National Institute of Chemistry, Slovenia</i></p>		
17:45-18:25	P	<p>Title: Hybrid Conduction in Glassy Cathodes: Utilizing Lithium-Tungsten for Advanced Li-Ion Battery Technology</p>
<p>Hicham Es-soufi, <i>Ibn Tofail University, Morocco</i></p>		
18:25-19:05	P	<p>Title: Success in Developing CVD Graphene Coating on Mild Steel: A Disruptive Approach to Remarkable/Durable Corrosion Resistance</p>
<p>Raman Singh, <i>Monash University, Australia</i></p>		
19:05-19:30	PO	<p>Title: New Liposomal Formulation Used for Active Targeting and Treatment of Inner Ear Disorders</p>
<p>Anca Niculina Cadinoiu, <i>Apollonia University, Romania</i></p>		
19:30-19:55	PO	<p>Title: Magnetic Microcapsules Functionalized with Peptide for Treatment of Inner Ear Disorders</p>
<p>Delia Mihaela Rata, <i>Apollonia University, Romania</i></p>		
19:55-20:30	K	<p>Title: NanoMaterials, Diamonds & Hydrogen : Symbiosis Between Clean Energy And The Environment</p>
<p>Janusz A. Kozinski, <i>Lakehead University, Canada</i></p>		
20:30-21:05	K	<p>Title: Validation of Repurposing FDA-Approved Drugs Through Nano-Theragnostics:</p>
<p>Application of Machine Learning Pipeline</p>		
<p>Michael Cho, <i>University of Texas at Arlington, United States</i></p>		
21:05-21:35	P	<p>Title: will be updated</p>
<p>Richard Spontak, <i>NC State University, USA</i></p>		

End of Virtual Presentations