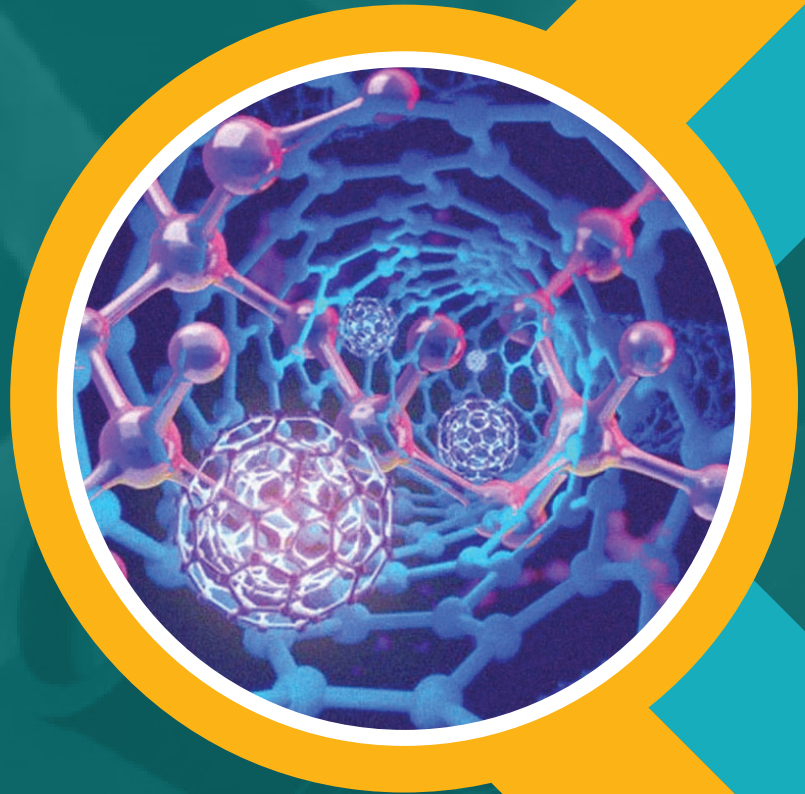


**Theme:**

“Evaluating the new  
Strategies and Solutions  
for Nanoscience &  
Nanotechnology”

**Venue**

Hilton Garden Inn,  
Hong Kong



World Congress on  
**NANOSCIENCE AND  
NANOTECHNOLOGY**

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**November 08-10, 2024 | Hong Kong**

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Nanotech 2024

<https://nanotech.mindauthors.com/>

Name & Affiliation	Title
<b>Ernst Wagner</b> <i>Ludwig-Maximilians-Universität,  Germany</i>	<b>Novel nanomaterials for RNA delivery</b>
<b>Wenbo Peng</b> <i>Xi'an Jiaotong University, China</i>	<b>Piezo-Phototronic Effect in Multi-Layer Structured Optoelectronic: Bilateral Piezoelectric Charge Modulation</b>
<b>Cheng-Yao Lo</b> <i>National Tsing Hua University, Taiwan</i>	<b>Engineered Stretchable Substrate for Niche Applications</b>
<b>Jianguo Tang</b> <i>Qingdao University, China</i>	<b>Multiple Hybrid Nanoaggregates (MHNAs) for Photon Quantum Technologies</b>
<b>Xianguang Yang</b> <i>Jinan University, China</i>	<b>Electroluminescent fibers and electrically pumped lasers based on quantum dots and polymers</b>
<b>Do Sung Huh</b> <i>Inje University, Korea</i>	<b>Capturer-sensor system for selective detection of glucose by tailoring of fractal-structured polyaniline in the honeycomb-patterned porous film</b>
<b>Afshin Abrishamkar</b> <i>National Research Council, Canada</i>	<b>How can material science and advanced materials benefit from micro- and nanotechnology?</b>
<b>Frank Mucklich</b> <i>Saarland University, Germany</i>	<b>About innovative bioinspired micro/nanotopographic material surfaces – and why we sent them also into space</b>
<b>Magnus S Magnússon</b> <i>University of Iceland, Iceland</i>	<b>Human Social Organization Paradigm Change: From the RNA World to Human T-societies and AI</b>
<b>Junhui Hu</b> <i>Nanjing University of Aeronautics and Astronautics, China</i>	<b>Ultrasonic micro/nano/molecular actuation based on the bulk acoustic wave</b>
<b>Venko Beschkov</b> <i>Institute of Chemical Engineering,  Bulgarian Academy of Sciences,  Bulgaria</i>	<b>Catalysis Doped by Nanoparticles of Metal Oxides in Liquid Phase Fuel Cell and Electrolysis Applications-Some Examples</b>
<b>Wei Li</b> <i>University of Tennessee Health Science Center, USA</i>	<b>Discovery of new anti-tubulin agents and their nanoparticle delivery for drug-resistant cancer</b>

**Eye Relaxation Break & Breakout Rooms**

**Roger M. Leblanc**

*University of Idaho, Moscow*

**Nano-Watermelon: Synthesis, Nanostructure, Nanomagnetism and Applications**

**Osman Adiguzel**

*Firat University, Turkey*

**Diffusionless Phase Transformations and Memory Characteristics of Shape Memory Alloys**

**Mohammadreza Akbari**

*Department of Civil Engineering and Chemical Engineering, Germany*

**Akbari, Ganji ,Method (AGM) to Solve Magneto-Hydrodynamic Nanofluid Flow in a Porous Semi-Channel**

**Xuexi Zhang**

*Harbin Institute of Technology, China*

**Aluminum nanocomposites with simultaneously enhanced strength and toughness**

**Qi Yang**

*National Research Council, Canada*

**Nanostructured Hard Coatings and their Tribological Applications**

**Prof. Jin-Rae Cho**

*Hongik University, Korea*

**Graphene Platelet-reinforced Composite: Exploratory Study on Its Mechanical Properties and Application to Wind Turbine Blade**

**Xu Jianhong**

*Tsinghua University, China*

**Microfluidic Synthesis of Advanced Functional Materials towards New Energy Application**

**Jiang Xu**

*Virogin Biotech Canada Ltd., Canada*

**Capsule coffee-inspired customizable mRNA vaccine production using a rapid on-site microfluidic assembly (ROMA) technology**

**You Qiang**

*University of Idaho, Moscow*

**Nano-Watermelon: Synthesis, Nanostructure, Nanomagnetism and Applications**

**Aysel Guven**

*Baskent University, Turkey*

**Improving Effect of Dietary Kefir Supplementation on the Lipid Peroxidation Antioxidants Levels in the Blood of Rabbits Fed on a High-Cholesterol Diet**

**Ulviye Bunyatova**

*Baskent University, Turkey*

**Exopolysaccharide-Based Hydrogel/AgNPs Nanocomposite Exhibits Superior Antitumor Activity in Breast Cancer**

**Edgar Harzfeld**

*Stralsund University of Applied Sciences, Germany*

**Modeling and Simulation of Nanostructured Components**

**Seong-woo Woo**

*Ethiopian Technical University, Ethiopia*

**Improving the Fatigue Design of Mechanical Systems such as Refrigerator**

## Eye Relaxation Break & Breakout Rooms

**Jiechao Jiang**

*The University of Texas, USA*

**High-Resolution TEM Analysis of Hf-B-Si-C-N-Based Films Annealed in Air Above 1500 °C**

**Sakinala Padmavathi**

*Nirmala College of Pharmacy, India*

**Nanotechnology And Its Applications in The Field Of Pharmacy**

**Cong Wang**

*Northwestern Polytechnical University, China*

**Fuzzy Clustering for G-image Segmentation**

**Ying Cai**

*Shanghai Institute of Materia Medica, Chinese Academy of Sciences, China*

**Inhibiting endothelial cell-mediated T lymphocyte apoptosis with nanosized fibers for chemoimmunotherapy of triple-negative breast cancer**

**Wenlu Yan**

*Shanghai Institute of Materia Medica, Chinese Academy of Sciences, China*

**Breaking Tumor Immunosuppressive Network by Regulating Multiple Nodes with Triadic Drug Delivery Nanoparticles**

**Osarumwense Peter Osarodion**

*Ondo State University of Sciences and Technology, Nigeria*

**Synthesis, analgesic activity of 3-amino 4,5-dimethoxyl-2-methyl quinazolin-4(3H)-one an amino-6-methoxyl-2-methyl of 4H-benzo[d] [1,3]-oxazine-4-one**

**Dr. Chung-Hsin WU**

*National Kaohsiung University of Science and Technology, Taiwan*

**Degradation of Sulfapyridine by Ozone-based Oxidation**

**Speaker Slots Available**

**Speaker Slots Available**

**Speaker Slots Available**

**Speaker Slots Available**

**Speaker Slots Available**

**Speaker Slots Available**

**\*\*\* End of Day 1 \*\*\***