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VILLAGE HOTEL CHANGI 1
NETHERAVON RD, SINGAPORE 508502

*Theme: Nanotechnology for Tomorrow:
Precision, Progress, and Possibilities*

Scientific TOPICS

- Nanomaterials: Design, Synthesis, and Characterization
- Nanofabrication and Nanomanufacturing
- Nanoengineering
- Nanobiotechnology and Life Sciences
- Nanotechnology in Medicine and Healthcare
- Nanotechnology in Food Science and Agriculture
- Nanotechnology Across Industries
- Nanotechnology in Energy and Environment
- Nanotechnology for Sustainable Development and Global Challenges
- Nanoelectronics and Nanophotonics
- Nanomechanics and Nanorobotics
- Theoretical and Computational Nanotechnology
- Nanotoxicology, Safety, Ethics, and Sustainability
- Future Directions
- Carbon nanotechnology
- Quantum Nanotechnology

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Keynote Presentations

Title: Circumventing challenges in developing CVD graphene on steels for extraordinary and durable corrosion resistance

RAMAN SINGH, Monash University, Australia

Title: Evaluating cytotoxicity of metal-doped tin oxide nanoparticles

PAULO CESAR DE MORAIS, Catholic University of Brasilia, Brazil

Title: Nanomaterial-based bio-lubricant additives for improved efficiency and environmental sustainability in automotive applications

S V A R SASTRY, Harcourt Butler Technical University, India

Oral Presentations

Title: Nanotechnology and polymers for sea and ocean sterilization using artificial intelligence with artificial intelligence-engineered nano-polymer membranes

FADI IBRAHIM AHMED, Al-shujaa bin Al-aslam School, Kuwait

Title: Dual memory characteristics and crystallographic transformations in shape memory alloys

OSMAN ADIGUZEL, Firat University, Turkey

Title: Flexible fabric-based nanostructured color-generating film systems

XINHUA NI, Guangzhou City University of Technology, China

Title: A broadband, angle-insensitive aluminium-based near infra-red absorber for protecting warfighters and sensitive optics technologies

CHAYANIKA BAISHYA, Indian Institute of Technology Guwahati, India

Title: Biosynthesis and characterization of garcinia Mangostana-derived silver nanoparticles as a novel nanobiopesticide against Sspodoptera Litura

ASHU CHAUDHARY, University of Delhi, India

Title: Advancements of AI and ML in nanotechnology

M VISHNU VARDHAN, Sri Vasavi Engineering College, India

Title: Polymer nanocomposites for microbial fuel cells

K VAIDHEGI, BS Abdur Rahman Crescent Institute of Science and Technology, India

Title: Biosurfactant conjugated and functionalized silver nanoparticles with enhanced antimicrobial and antibiofilm efficacy: A mechanistic approach

RAJIB MAJUMDER, Adamas University & CSIR-IICB, India

Title: MAC layer protocols for in-vivo wireless nanosensor networks using terahertz signals: A survey

ALEMTSEHAY GEBREANANIA GEBRU, SRM University AP, India

Oral Presentation slots are still Open!!

Poster Presentation

Title: Development of GO-SiO₂ based superhydrophobic surface for oil and water separation
ADITI DAS TALUKDAR, National Institute of Technology Rourkela, India

Poster Presentation slots are still Open!!