

Tentative Program

2nd Global Conference on Material Science and Nanotechnology

**Theme: Pioneering Discoveries in Material
Science and Nanotechnology**

**April 13-15, 2026
Paris, France**

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Website: <https://worldnanotechnologycongress.com/>

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Keynote Presentations-Virtual

Alexander G. Ramm Kansas State University, United States,	Title: Creating materials with a desired refraction coefficient and other applications
Stanislav Ordin Russian Academy of Sciences, Russian Federation	Title: Nano technologies and physics of the missing scale
Paulo Cesar De Moraes Catholic University of Brasilia, Brazil	Title: Exploring nanomagnetism of molecular-dressed ultrafine nanoparticles
Konstantin Zsukovszki HUN-REN Wigner RCP, Hungary	Title: Ion Energy Boost and Enhanced Energy Transfer from Laser Radiation to Matter with Resonating Nanoantennas
Kung Chung Yuan National Chung Hsing University, Taiwan	Title: The direct evidence of relation between Penrose tiling and Quasi crystal
Osman Adiguzel Firat University, Turkey	Title: Shape reversibility and the role of twinning reactions in martensitic transformations in shape memory alloys
Yashu Swami Manav Rachna International Institute of Research and Studies, India	Title: Smart nanoelectronics: integrating AI and ML in materials design and nanoscale device optimization
S.V.A.R.Sastry Harcourt Butler Technical University, India	Title: Bio synthesis and characterization of plectranthus amboinicus derived silver nanoparticles impregnated with zeolite
Rabindranath Jana Haldia Institute of Technology, India	Title: Nanomaterials for effective industrial fire control

Manjot Kaur Sidhu
CGC University, India

Title: Nano intelligence: Synergistic integration of artificial intelligence and nanotechnology for next generation engineering systems

Keynote Presentation slots are available

Oral Presentations-In-Person

Antonio Pantano
University of Palermo, Italy

Title: Characterizing nanoparticle dispersion with a novel micro thermographic approach based on pulsed laser excitation

Abdeen Mustafa Omer
Energy Research Institute (ERI), United Kingdom

Title: Energy efficient for heat exchanger, refrigeration and air conditioning

Shoichiro Ozaki
Ehime University, Japan

Title: NOx elimination and CO2 concentration change

Yangui Yu
Wenzhou University/Zhejiang Guangxin Research Institute, China

Title: Calculation theories & models & methods from microscopic, nanometer to macroscopic sizes in whole process on damage & crack in metal materials & structures

Arbi Fattoum
University of Gafsa, Tunisia

Title: Non-surgical therapy of periodontal disease. scope of a new treatment protocol

Christopher Oluwatobi Adeogun
South China University of Technology, China

Title: 2-D equivalent analytical model for winding losses calculation in gapped magnetic components

Hussain Shafaat
Beijing Institute of Technology, China

Title: Enhanced performance quantum dot infrared photodetectors via interface engineering with mxenes

Angyang Yu Liaoning Technical University, China	Title: Theoretical insights into structure, electronic and mechanical properties of RuB _x (x=1, 2, 3)
Prakash Jayabal Translational Health Science and Technology Institute, India	Title: Translational potential of a sustainable mxene/collagen patch for chronic wound care
Leonard Mwaikambo University of Dar es Salaam, Tanzania	Title: Structure Property Relationship of Cellulosic Fibres
Bashir H Osman University of Sinnar, Saudi Arabia	Title: Seismic behavior of energy saving self insulating masonry walls under in plane cyclic loading
Samar Ghopry Jazan University, Saudi Arabia	Title: Enhanced photodetection in intermixed TMD nanodiscs graphene heterostructure nanohybrids
Haim Livni Oslo Reliability, Israel	Title: Nano Reliability Models
Muhammad Jehangir Air pharmaceutical, Pakistan	Title: Biotransformation of pharmaceutical drugs
Shahab Khan University of Malakand, Pakistan	Title: Synthesized tio ₂ nanoparticles mitigating salinity stress in okra plants via foliar application
Syeda Hijab Zehra Lithuanian Research Center for Agriculture and Forestry, Lithuania	Title: Microwave assisted synthesis of antimicrobial silver nano particles using propolis extracts
Iman Bagherpour Islamic Azad University, Iran	Title: Engineering multifunctional nanocomposites: From hardystonite graphene biomaterials to inorganic nanoparticle based drug delivery for neurodegenerative disease therapy

Taoreed Adesola Adegbola Tshwane University of Technology, South Africa	Title: Design and characterization of Mg–Zr/Ti/Ni/Cr alloys for optimized mechanical and electrochemical performance in biomedical applications
Basiru Philip Aramide Tshwane University of Technology, South Africa	Title: Effect of al content on mechanical properties and wear resistance of spark plasma sintered ticunisi-al high entropy alloy
Mandla Vincent Khumalo Nelson Mandela University, South Africa	Title: Development of sustainable natural fibre green composites for industrial applications in south africa
Oluwasegun Chijioke Adekoya Tshwane University of Technology, South Africa	Title: PEGylated graphene oxide nanocarriers for 4'-Fluorouridine delivery: An ab initio framework for antiviral and tumor-targeted therapy
Sajid Hussain Siyal Dawood University of Engineering & Technology, Pakistan	Title: Advanced nano ceramic composite electrolytes via uv assisted processing for next gen metallic battery devices
Benfdila Arezki Mouloud Mammeri University, Algeria	Title: Advanced technology for producing clean water
Usman Iliyasu Sokoto State University, Nigeria	Title: Development of high density lead oxide doped borate glasses for radiation shielding applications
Nicholas Muparadz University of Zimbabwe, Zimbabwe	Title: Nanotechnology: A review on the application of nano materials in water purification and nano medicine in the zimbabwean context
Tiruwork Girma Hailu Jimma University, Ethiopia	Title: Development of advanced ceramic holder for spectromaxx instrument in place of metal holder for better metals composition characterization: For the case of small dimeter samples

Oral Presentations-Virtual

Gregory L. Light Providence, United States	Title: On pauli matrices and the implied spacetime geometry
Sachin Sharma Ashok Kumar Taylor's University, Malaysia	Title: The development of graphene oxide-based nanocomposite coatings as anti-corrosion novel surfactant
Michael Anjello Jothi Rajan Aadhavan Educational and Research Trust, India	Title: Ethics of nanotechnologies driven engineering: The often overlooked and missing component in research
Dharmendra Kumar Swami Vivekananda Subharti University, India	Title: Quercetin loaded banana starch nanoparticles: A novel anti cancer delivery system
Sarvani Jowhar Khanam University of Hyderabad, India	Title: Advancements in organic inorganic metal halide perovskites driving clean energy solutions
J Bagyalakshmi Sri Ramakrishna Institute of Paramedical Sciences College of Pharmacy, India	Title: Characterization and evaluation of green synthesised selenicereus undatus silver nanoparticles of the fruit peel for anti diabetic activity
Andrey Belousov Intensive Care Kharkiv National Medical University, Ukraine	Title: Uncovering novel antibacterial mechanisms of magnetite nanoparticles (MCS-B): A new frontier in nanomedicine
Lili Sun GTTC, China	Title: Rapid Screening Methods of Harmful Chemicals in Textiles

Arash Ebrahimi Comenius University Bratislava, Slovakia	Title: Novel ammonia atmosphere assisted synthesis of zeolitic imidazolate framework 7 for efficient nanophotocatalysis
Abdul Muneeb University of Engineering and Technology, Pakistan	Title: Dielectric barrier discharge Plasma based modification of synthesized Ag-TiO ₂ nanocomposites for enhancement of photocatalytic activity from UV to visible region
Moqadasi Hamideh University of Tehran, Iran (Islamic Republic of Iran)	Title: Temporal single spike coding and learning for effective transfer learning
Ahmad Reza Rastkar Shahid Beheshti University, Iran, Islamic Republic of	Title: Formation of vertically aligned carbon nanotubes on metal substrates
Olaniyi Awe Obafemi Awolowo University, Nigeria	Title: Empirical studies on natural water resources in alluvial gold ore mining communities
Abdelmalek Ammari National School of Architecture Marrakech, Morocco	Title: Characterisation of the mineralogical, chemical and physical properties of earth mortars

Oral Presentation slots are available

Poster Presentation - In Person

Eugenia Del Carmen Leon Jimenez National Technological Institute of Mexico, Mexico	Title: Effects of greenly bimetallic nanoparticles applied in maize crops fields on native bees melipona beecheii
Eduardo Perez Careta University of Guanajuato, Mexico	Title: Corrosion inhibitors in oil refinery primary plants. A case study for the refinery ing. antonio m. amor

Renu Devi Indian Institute Of Technology, India	Title: Sodium alginate hydrogels embedded with copper co crystals and zinc oxide nanoparticles for advanced wound healing applications
Mingwei Chen The First Affiliated Hospital of Xi'an Jiaotong University, China	Title: Therapeutic mechanism of hucMSCs via circANKRD42-miR-136-5p-YAP1 in pulmonary fibrosis
Mamadou Dia Cheikh Anta Diop, Senegal	Title: Theoretical study of the evolution of mesh disagreement rate of heterostructures based on gasb, ga1-xinxsb, and ga1-xalxsb, and the determination of the critical thickness of ga1-xinxsb, and ga1-xalxsb epitaxies layers
Iza Rozman National Institute of Biology, Slovenia	Title: Safety profiling of magnetic nanoparticles: Cyto and genotoxicity in 3D human hepatic model in vitro
Luan Qafmolla Private Consultant, former employee of Institute Nuclear physics, Albania	Title: Development of policy and strategy of the nanomaterials for environmental safety or security by radioactive ,nuclear agents at critical infrastructure facilities in albania
Poster Presentation - Virtual	
Armand Tchakounte Ngoungue University of Douala, Cameroon	Title: Optimization of the synthesis of a geopolymer based on volcanic slag and iron filings for the decolorization of used palm kernel oil employed in electrical transformers

Poster Presentation slots are available