

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

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
Haim Livni Oslo Reliability, Israel	Title: Nano Reliability Models
Shahab Khan University of Malakand, Pakistan	Title: Synthesized tio2 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
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

Samar Ghopry

Jazan University, Saudi Arabia

Title: Enhanced photodetection in intermixed TMD nanodiscs graphene heterostructure nanohybrids

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

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
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

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

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

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

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