

Tentative Program

2nd Global Conference on

Material Science and Nanotechnology

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

Phone number: +1 214 731 7766

WhatsApp number: +1 214-831-3945

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

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 RuBx (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 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
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 diameter 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-TiO₂ 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

Olanjiyi 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 geopolymers based on volcanic slag and iron filings for the decolorization of used palm kernel oil employed in electrical transformers

Poster Presentation slots are available