PEERS ALLEY MEDIA

7th Edition of Advanced Materials Science World Congress

MARCH 24-25, 2025

LONDON, UK

Theme:

Transforming Materials Science through Synergy and Sustainability: Bridging Research, Technology, and Industry

Sub-themes:

- Pioneering the Circular Economy: Sustainable Material Innovations
- The Intersection of AI and Materials Science
- Advanced Materials in Healthcare: From Bench to Bedside
- Smart and Functional Materials
- Securing the Future: Advanced Materials in Defense and Security
- Electrifying Innovation: Materials for Energy Storage and Conversion
- The Policy Perspective: Regulatory Challenges and Opportunities

2
DAYS WITH MORE THAN 45 SESSIONS, KEYNOTES & ORAL PRESENTATIONS

12+
INNOVATIVE FEATURED SPEAKERS

20+
HOURS OF NETWORKING EVENTS

60+
INTERNATIONAL SPEAKERS

125+
EDUCATIONAL SESSIONS

Adv. Materials Science 2025

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2

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EDUCATIONAL SESSIONS

WHO SHOULD ATTEND?

Materials Engineers | Materials Scientists | Nanotechnologists | Physicists and Chemists | Metallurgists | Geotechnical Engineers | Biomedical Engineers | Academicians and Students | Policy Makers | Industries | Entrepreneurs | Students | Materials Science Colleges | Materials Companies | Nanotechnology Companies | Training Institutes | Associations | Chemical Companies | Experts and Researchers (of Biotechnology, Physics, Materials Science, Nanotechnology, Biology, Environment, Medicine, Ceramics, Energy, Liquid Crystals, Plasma, Polymers Semiconductors and many more...)

WELCOME MESSAGE

Dr. Philippe Baranek

EDF Lab Paris-Saclay - IPVF, France

Dear Colleagues,

Warmest greetings to all those who are passionately dedicated to the field of advanced materials. It is with a great pleasure that I invite you to participate in the "7th Edition of the Advanced Materials Science World Congress", scheduled to take place on March 24-25, 2025 in the enchanting city of London UK.

This conference aims to bring together researchers, scientists, academicians, and industry professionals from around the world.

This event represents an opportunity for stimulating discussions, delivering insightful presentations, aiming to create collaborative networks. Many exciting topics and areas are covered such as: materials synthesis, characterization and modelling, nanotechnology, medicine, biomaterials, renewable energy materials, construction materials, textiles, and much more.

I strongly hope that this conference will comprehensively and thoughtfully span various aspects of this captivating subject and provide insights that contribute to your research work and the development of ground-breaking advancements. See you in London!

Dear Researchers,

The 7th Edition of the Advanced Materials Science World Congress is scheduled for March 24-25, 2025, in the fascinating city of London, United Kingdom. I am pleased to invite you to be part of this remarkable research meeting, where members from diverse areas of knowledge will come together to share the state of the art in their subjects.

In the areas of Materials Science, Nanotechnology and Chemistry, the conference aims to present many advances, namely in the application of Machine Learning tools to data analysis, simplifying the inspection of crucial systems and making results more reliable. In addition, new non-destructive techniques and new information on conventional techniques will be presented. I hope to see you there.

Dr. Auteliano A. Santos Jr.

State University of Campinas, Brazil

PRESENTATION FORUM

KEYNOTE FORUM / MINI-PLENARY SESSIONS

Presentations under Keynote Forum or Mini-Plenary Sessions includes abstracts with remarkable research value selected by the program committee. These significant speeches are delivered by globally recognized honorable speakers and it is open to all registrants.

DISTINGUISHED SPEAKERS FORUM (ORAL ABSTRACT SESSIONS)

In this forum, speakers and experts of the research field gets an opportunity to showcase their noble research work that involves comprehensive research findings. These formal oral presentations include a wide range of talks covering basic research to advanced research findings in accordance to the theme and scientific sessions of the conference.

STUDENT FORUM

POSTER SESSION

This session is particularly introduced to encourage more number of student participation at international conferences, however it is not restricted only to students since it is also available for the participants with language barrier. There are specific guidelines to be followed to prepare the poster. Poster topic should be selected only from relevant scientific sessions with in-depth technical details.

YOUNG INVESTIGATORS FORUM

An exclusive opportunity for students and young investigators to present their research work through a formal oral presentation. Young Investigators Forum provides a global platform for young researchers and scholars to showcase their valuable contribution to the scientific world and to get acknowledged by the global scientific community of experts. It is an excellent opportunity to recognize young scientific assets with promising research ideas. These oral presentations are of shorter time duration with 10-15 minutes of informative and precise presentations in relevant scientific sessions.

EDUCATIONAL WORKSHOPS/ RESEARCH WORKSHOPS/ CORPORATE WORKSHOPS/MINI-SYMPOSIA

With an aim of transferring knowledge among the participants, workshops are introduced as a part of international conferences. These interactive and occasionally practical sessions gives an opportunity for participants to engage in detail discussion. Workshops are mostly scheduled for 60 to 90-minutes. It may range from learning about a specific topic relevant to international education, products and research which sometimes involves practical demonstration. It helps in enhancing skills, knowledge and understanding of the research field in depth through interactive discussions.

HIGHLIGHTS OF THE DAY SESSIONS

“Highlights of the Day Sessions” is introduced to discuss and focus a ray upon previous day ORAL ABSTRACT presentations by experts to summarise the key findings. It helps in getting better insights into the various dimensions of the topic.

MEET THE PROFESSOR @ NETWORKING SESSIONS

This session involves open discussion between the experts and session attendees, it gives enough time for getting answers to specific questions and doubts. It is an opportunity for attendees to increase their professional networking, sometimes also leads to an excellent collaboration opportunity.

EDUCATIONAL SESSIONS/ TRAINING PROGRAMS

Educational Sessions or training programs are specifically designed for a better understanding of the latest findings and technologies. These are generally 45-minute sessions that gives an exposure to the multidisciplinary field, that provides in-depth learning experiences and address educational needs.

TYPES OF ACADEMIC REGISTRATIONS

- Speaker Registration
- COMBO A (Registration + 2 Night Accommodation)
- COMBO B (Registration + 3 Night Accommodation)
- Delegate Registration

TYPES OF BUSINESS REGISTRATIONS

- Speaker Registration
- COMBO A (Registration + 2 Night Accommodation)
- COMBO B (Registration + 3 Night Accommodation)
- Delegate Registration

TYPES OF STUDENT REGISTRATIONS

- Registration
- YIF
- COMBO A (Registration + 2 Night Accommodation)
- COMBO B (Registration + 3 Night Accommodation)
- Posters

TYPES OF ADDITIONAL REGISTRATIONS

- Accompanying Person
- E-Poster
- Virtual Presentation
- Workshops
- Start-Ups

Register & Participate

in

ADV. MATERIALS SCIENCE 2025

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TIME TO CONNECT

CONCURRENT EDUCATIONAL SESSIONS

MONDAY
MARCH 24
2025

- Materials Science and Engineering
- Nanomaterials and Nanotechnology

- Advanced Materials and Nanotechnology
- Biomaterials and Medical Devices

GROUP PHOTO | COFFEE BREAK

- Smart Materials and Applications
- Energy Materials

- Ceramic Materials
- Composite Materials
- Glass Science and Engineering

LUNCH BREAK

- Polymer Science and Technology
- Surface Science and Engineering

- Materials Physics
- Materials Chemistry

COFFEE BREAK

- Computational Materials Science
- Crystallography

- Graphene Technology
- Carbon and 2D Materials
- Green Technologies

CONCURRENT EDUCATIONAL SESSIONS

TUESDAY
MARCH 25
2025

- Materials Synthesis And Processing
- Materials Characterization, Theory And Modeling

- Electronic, Optical And Magnetic Materials
- Nanostructured And Structural Materials

GROUP PHOTO | COFFEE BREAK

- Chemistry
- Semiconductors
- Metallurgical and Materials Engineering

- Advances In Dielectric, Piezoelectric Materials And Electronic Devices
- Condensed matter physics

LUNCH BREAK

- Optics
- Metals and Alloys
- Bioinspired materials and Systems
- Mineralogy

- Perovskites
- Materials Informatics
- Selective Laser Sintering
- Metamaterials
- Dichalcogenides

COFFEE BREAK

- Topological Insulators
- Energy Production and Storage
- Electronics and Photonics

- Artificial Intelligence
- Robotics
- Synthesis and Catalysis
- Biocatalysis

7TH EDITION OF

ADVANCED MATERIALS SCIENCE WORLD CONGRESS

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Featured Speakers	Presentation Titles
Weizhong Dai Louisiana Tech University, USA	**Neural network method for solving parabolic two-temperature micro/nanoscale heat conduction in thin films exposed to ultrashort-pulsed lasers**
Alexander G. Ramm Kansas State University, USA	**Wave scattering by many small particles, creating materials with a desired refraction coefficient and other applications**
Weiguo Cao Stony Brook University, USA	**Lesion classification by model-based feature extraction: A differential affine invariant model of soft tissue elasticity in CT images**
Getachew Ambaye Wichita State University, USA	**Robot arm damage detection using vibration data and deep learning**
Aliakbar Montazer Haghighi Prairie View A&M University, USA	**A Time-Dependent Queue with Delay Due to Setup Time for Service**
Piper Hutson Lindenwood University, USA	**Integrating Sensory Modalities and Technologies in Artistic Contexts**
Richard J. Spontak North Carolina State University, USA	**Water-Activated Polymers to Mitigate Growing Global Challenges in the Healthcare and Environmental Sectors**
Firend Alan Rasch American International Institute, USA	**Creating a blockchain-based audit trail for IoT device interactions and data exchanges to enhance transparency and security**
Arthur Nozik University of Colorado, US	**Climate Change & Renewable Energy: Science, Technology, Economics, and Reality Advanced Concepts for Highly Efficient Solar Photon Conversion into Photovoltaics & Fuels Based on Quantization Effects in Nanostructures & Molecular Singlet Fission**

SPEAKER SLOTS AVAILABLE

ANTONIO D BOLIVAR III Aurora State College of Technology, France	**Mechanical Coupler as an Alternative Rebar Splicing: A Review**
Rami Ahmad El-Nabulsi Czech Academy of Sciences, France	**Nonlocal Approach To Energy Bands In Periodic Lattices And Emergence Of Electron Mass Enhancement**
Thu Nhi Tran Caliste European Synchrotron Radiation, France	**Coupling X-ray Beam Induced Current ToF-XBIC with high time resolution to characterize semiconductor-based detectors**
Yasser Ghamary Concordia University, Canada	**A mathematical model for aerospace product MRO scheduling with remanufacturing**
Ligia Georgiana Hanuseac Technical University of Iasi, Romania	**Optimization of concrete mixtures using artificial neural networks**
Raman Singh Monash University, Australia	**Circumventing Challenges CVD Graphene Coating on Mild Steel: A Disruptive Approach to Remarkable/Durable Corrosion Resistance**
Anton Kraler Institute of Structural Engineering and Materials Science, Austria	**Double dovetail tenon": a new connector for multi-storey timber construction A case study on fire protection with this connection**
Gustavo Provençano Vilardo Federal University of Rio de Janeiro, Brazil	**On the development of a constitutive model for steel subjected to fire**
Thiago Canevari Mackenzie Presbyterian University, Brazil	**Copper oxide nanostructures with nanoneedles shape obtained by direct reaction with nitrogen-doped carbon quantum dots: development of an electrochemical sensor to glyphosate**
Fabiano Pereira Cavalcante Federal University of Maranhão, Brazil	**Analysis of permanent deformation in asphalt mixtures using Mohr–Coulomb criteria**
Gabriela Martins de Paiva Federal University of São João del-Rei, Ouro Branco	**Bacterial Nanocellulose Produced as a By-Product of the Brewing Industry and used as an Adsorbent for Synthetic Solutions for Co (II), Cu (II), Ni (II) and Fe (III)**
Gustavo Vilardo Federal University of Rio de Janeiro, Brazil	**On the development of a constitutive model for steel subjected to fire**
Brendan Finbarr Murphy Healy University of Warwick, Uk	**Tuneable photoluminescence from monolayer MoS_2**

Blerina Kolgjini PUT, Albania	**The performance of handmade silk product's from Shkodra region, Albania**
Assil Chawraba University of Genoa, UK	**Clustering and Analyzing Sea Wave Patterns Using FMCW Radar and K-Means Algorithm**
Ole Joachim Aasen NTNU, Norway	**Small languages and big models - Using ML to generate social media content for training purposes**
Diala Basim Al-Haddad The British University in Dubai, UAE	**Comparison and Critical Review of Durability Design in Design Codes**
Nino Chachava Georgian Technical University, Georgia	**The Role of Digital Twins Concept in Old Tbilisi Superblocks Model Development**
Tatiana Sakharova Iv.Javakhishvili Tbilisi State University, Georgia	**Processing and characterization of InGaAs/InP and AlGaN/GaN heterostructure-based active components suitable for multisensor detection system**
Khalid Mujasam Batoo King Saud University, Saudi Arabia	**Harnessing Piezo-Plasmon Phototronics for Improved DSCC in 3D Nanostructures of Perovskite $BiFeO_3$ Decorated with Au**
Shuichi Shinmura Seikei Univ, Japan	**LSD : Science and Engineering Basic Technology-Plants and Animals, Industrial Products, Exams and CPD with two misclassified patients**
Diala Haddad ECCE, United Arab Emirates	**Comparison and Critical Review of Durability Design in Design Codes**
Ahad Janahmadov Azerbaijan National Academy of Aviation, Azerbaijan	**Synergetics principles of the regularity of the development of microcracks in elements of the friction units**
Ulvuyya Jeyhun Yolchuyeva Institute of Petrochemical Processes of Ministry of Science and Education, Republic of Azerbaijan	**Photochemical processes in petroleum products by sunlight**
José Joaquim Costa Cruz Pinto University of Aveiro, Portugal	**New Insights on Molecular Cooperativity in Amorphous Condensed Matter**
Mohammad El-Hindi Beirut Arab University, Qatar	**Theoretical and numerical study of the decay in a viscoelastic Bresse System**

Lihong Han State Key laboratory of Oil and Gas Equipment of CNPC Tubular Goods Research Institute, China	**Unlocking the key factors, mechanisms and solutions of OCTG material failure for china oil & gas industries**
Li Ming Peking University, China	**Hydrogel coatings on universal medical devices with water-responsive Janus adhesion and acidity-triggered transformation for adaptive antibacterial treatment and fluorescence diagnosis**
Yuhao Bai Hanyang University, China	**Public Participation Consortium Blockchain for Smart City Governance**
Changfeng Yan Chinese Academy of Sciences, China	**Design of low-Pt electrocatalysts towards oxygen reduction reaction**
Wenbin Hou Dalian University of Technology, China	**Study on mechanical properties of fiber metal laminates and its application in automobile body**
Ming Li Peking University People's Hospital, China	**Hydrogel coatings on universal medical devices with water-responsive Janus adhesion and acidity-triggered transformation for adaptive antibacterial treatment and fluorescence diagnosis**
Sumaira Nazar Hussain Shenzhen University, China	**CoZn nanoparticles decorated on Nitrogen doped mesoporous carbon electrocatalyst for efficient oxygen evolution reaction**
Fanny Tang Hong Kong Metropolitan University, Hong Kong	**The Development of Recycled Oyster Shell Waste in Polymer-modified Green Concrete towards Enhanced Mechanical Properties and Environmental Benefits**
Huong. Le Thi Thanh Universiti Kuala Lumpur Business School, Malaysia	**Leveraging ChatGPT in Higher Education Institutions: Exploring Usage, Advantages, Challenges, and the Imperative for Policy and Regulations**
Nurul Arbaatun Adawiah Binti Zamanuri Universiti Kebangsaan, Malaysia	**Development of Multiband Antenna for Satellite Applications**
Sirajunnisa Abdul Razack Chulalongkorn University, Thailand	**Role of pesticide degrading bacterium, Rhodococcus biphenylivorans, in breaking down crystal violet dye**

Allan Sharma Neaupane Asian Institute of Technology, Thailand	**Evaluation of Jet Grouting Design Parameters for TBM Launching and Arrival in Bangkok Soil**
Enkelejda Konda Polytechcnic University of Tirana, Albania	**NDE of the integrity of a CLINCER 40.000 ton concrete structure**
Alexander Trubayev National Technical University, Ukraine	**On Some Features of Complex Mechanical Systems Analysis**
Igor Emri University of Ljubljana, Slovenia	**Nano-porous membranes based on force-network technology -Theoretical background, and their application in engineering and medicine**
Alexey Averkin Federal Research Center “Computer Science and Control” of the Russian Academy of Science, Russia	**D.A Pospelov identified in 1996 ten “hot spots” in the field of AI**
Lyakishev Vladislav Konstantinovich Irkutsk State University, Russia	**Mathematical modeling of the change of electric potential energy during the formation of covalent polar and ionic chemical bonds in a two-atomic molecule**
Nikolay Efimovich Galushkin Don State Technical University, Russia	**Contradictions in the generally accepted mechanism of thermal runaway in lithium-ion batteries**
Aleksei Pozdnyakov Institute for Problems in Mechanical Engineering of RAS, Russia	**The mechanism of friction and wear of polymer-polymer friction pairs as revealed by mass spectrometry, plasma-induced thermoluminescence and interface modeling**
Shkornyakov Sergey National Research Center “Kurchatov Institute, Russia	**Quantum size effect of bloch wave functions of ultra-high energy electrons in a thin single-crystal film**
Sergey V. Kotomin Bauman State Technical University, Russia	**Strength and heat resistance of polymer - fibre adhesive joints**
Kalindi Shivaji Shinde Sardar Vallabhbhai National Institute of Technology, India	**Development and Performance analysis of Microwave Planar Sensor for Food Quality Assessment**
Shina Gautam Harcourt Butler Technical University, India	**Characterization of Polyhydroxyalkanoate films and its application**

Reena Vohra Saini Maharishi Markandeshwar, India	**Cell death induction in 2D and 3D prostate cancer models through green nanoparticles synthesized from Stephania glabra**
Susmita Dey Sadhu Bhaskaracharya College of Applied Sciences, University of Delhi, India	**A Biogenic Approach to Develop Guava Derived Edible Copper and Zinc Oxide Nanocoating to Extend Shelf Life and Efficiency for Food Preservation**
Yogesh M Desai Indian Institute of Technology Bombay, India	**Three-dimensional elasticity analysis of sandwich cylindrical shell by numerical integration approach**
Varsha UshaVipinachandran Vellore Institute of Technology, India	**Facile fabrication of a Z-scheme g-C3N5/Gd-MOF/silver nanocube composite as a new generation visible light active photocatalyst for abatement of persistent toxic pollutants**
Jyoti Prakash Nayak TRL Krosaki Refractories Limited, India	**Synthesis of andalusite equivalent grade refractory raw material by using spent silica refractory waste – A successful waste utilization technique**
Saurabh Joshi Shri Sant Gajanan Maharaj College of Engineering Shegaon, India	**Enhancing thermal efficiency of cookware through fin implantation: Experimental analysis and numerical validation**
Shailendra Kumar Forest Research Institute, India	**A phase change material (PCM) based thermalenergy storage for a solar heated vacuum timber**
Ramphal Sharma Department of Physics, Centre for Nano-Science and Nano-Technology, India	**Economical and Sustainable Development of Nanostructured materials engineering for Lubrications, Photovoltaic, Gas Sensors, and Energy Storage Applications**
Ram Manohar Indian Institute of Technology Kanpur, India	**Error analysis for finite element approximation of parabolic Neumann boundary control problems**
Nirmala Mahadev Yamagar Dr.Vasantrao Pawar Medical college & Research Centre, India	**Study of morphological and anthropometric features of human ear ossicles**
Ravi Varala Scrips Pharma, India	**Catalysis-Based Biofuel Production from an Array of Non-Traditional Seed Oils**
Debraj Chakraborty Brainware University, India	**Gaseous Spectral Attenuation Corresponding to Different Relative Humidity, Humidity Fluctuations and Air Turbulence in THz Transmission**

Lav Maheshwari Manipal University, India	**Optimizing input parameters involved in EDM process of hardened, normalized and annealed 0.2%-C steel samples**
Priyanka Sahu Indian Institute of Technology , India	**Investigation of the Structural, Electrical, and Magnetic behavior of Co3+ - Ti4+ doped Strontium Hexaferrite for Microwave and Low density recording media applications**
Pradeep Singh Rawat DIT University, India	**A Real Time Landslide Monitoring System in a Disaster Prone Area**
M.K.Shobana Vellore Institute of Technology, India	**Heating efficiency and In-Vitro cell viability of superparamagnetic nanoparticles for magnetic hyperthermia applications**
Amal Banerjee Analog Electronics Ltd Kolkata, India	**In-House Developed Device TCAD Tool DeviceMaker to Analyze|Estimate Semiconductor Device Internal Electrical Properties (Potential, Electric Field, Current Density etc.,)**
Rohit B Kaliwal Visvesvaraya Technological University, India	**Bayesian Network Model Based Classifiers Are Used in an Intelligent E-learning System**
Prabhakaran Gopalakrishnan KCG College of Technology, india	**Effect of GO doping and sintering temperature on mechanical properties and microstructure of microwave sintered zirconia-toughened alumina**
Thomas Gmawlue Chandigarh University, India	**Combined Metakaolin and Ground Granulated Blast-Furnace Slag-Induced Concrete for Marine Environment**
S.V.A.R.Sastry HBTU Kanpur, India	**Studies on development of high performance coolant for automobile engines using Nanoparticles based oil**
Anupam Raj Indian Institute of Technology, India	**Enhanced Photocatalytic Activity of Flash-Sintered Co-Doped Materials**
Gargi Trivedi The Maharaja Sayajirao University, India	**Advanced Anisotropic Diffusion for Image Enhancement: A PDE Approach**
T. Vineeth Kumar Woxsen University, India	**Automating Rock Analysis with AI for Basalt CO_2 Storage Suitability**
Krishna Vamshi Ganduri Woxsen University, India	**Design of a Mini Bot for Gas Leakage Detection and Pipeline Inspection**

Raj Kumar Sahu National Institute of Technology Raipur, India	**Recent Advances in Room Temperature Self-Healing Polymer Nanocomposites for Flexible Sensors Toward Structural Health Monitoring**
Swarnendu Baduri Indian Institute of Engineering Science & Technology, India	**Optimization of Sr-modified bismuth molybdate semiconductor for highly efficient photoelectrochemical water splitting**
Shilpi Yadav Sophia Girls' College, India	**land use and land cover alterations and their relationship to agro-climatic dynamics**
Pritam Kanti Guha ICAR-Indian Institute of Rice Research, India	**Strong culm: a crucial trait for developing next-generation climate-resilient rice lines**
Lavanya Sanapala GITAM deemed to be University, India	**Identification of Gradient based Attacks on Autonomous Vehicle Traffic Recognition system using Statistical method**
Santanu Ghosh Indian Institute of Technology Delhi, India	**Room temperature ferromagnetism in nanodimensional oxide, nitride and chalcogenides and metal insulator nanocomposites: materials for spintronics**
Rohit Taparia National Institute of Technology Karnataka, India	**Generating Synthetic Text Data for Improving Class Balance in Personality Prediction**
Richa Gupta Indraprastha Institute of Information Technology Delhi, India	**Design of Accessible Educational Tools for Independent Learning by Persons with Blindness**
Anand Madhav Visvesvaraya National Institute of Technology, India	**Effect of Aging Time and Temperature on the Evolution of Microstructure and Mechanical Properties in a Selective Laser Melted Maraging steel**
Balwinder Kaur Punjab Engineering College, India	**Sensitive and fast electrochemical recognition of nitroaromatic explosives in liquid phase using ultrathin graphitic carbon nitride nanotubes**
Parama MUKHOPADHYAY Indian Institute of Technology Kharagpur, India	**Advances in Well Logging Techniques for Shale Reservoirs Exploration**
Disha N Girish Amrita Vishwa Vidyapeetham, India	**Tire Imprint identification and classification using VGG19**

Sruti Sangeeta Jena Indira Gandhi Centre for Atomic Research, India	**Developing Iron Phosphate glass from melt-quench simulations using ab-initio molecular dynamics**
Amodini Mishra Indian Institute of Technology Delhi, India	**Photocatalytic Effectiveness of Nanocomposites for Environmental Application**
Navneet Kaur Panjab University, India	**Metallovesicles as smart nanoreactors for green catalytic synthesis of benzimidazole derivatives in water**
Umakant Prasad T.M. Bhagalpur University, India	**Studies of structural, dielectric, electrical, and optical properties of CaBiLaNbVO9 for electronic device application**
P Joel Josephson Malla Reddy Engineering College, India	**Augmenting Cervical Cancer Analysis with Deep Learning Classifcation and Topography Selection Using Artifcial Bee Colony Optimization**
Akhielsh Kumar Pandey JK Lakshmipat University, India	**Critical breakdown electric field of sulfur dioxide at 1 to 10 Bar and 300 to 4000 K for applications in power transmission and switching elements**
Smita Kaloni NIT Uttarakhand, India	**Modal identification of structures with optimal sensors using variational mode decomposition**
Ramaraju H K Dayananda Sagar College of Engineering, India	**The Effect of Crude oil Contamination on Geotechnical Properties of Mangaluru Soil**
Rajathirajan Siva Dharshini SRM Institute of Science and Engineering College, India	**Unveiling the microbial diversity of biofilms on titanium surfaces in full-scale water-cooling plants using metagenomics approach**
Ramaraju H K Dayananda Sagar College of Engineering, India	**Promoting green consumption practices among youth**
Rajathirajan Siva Dharshini SRM Institute of Science and Engineering College, India	**Green Consumption Behavior for Sustainable Development**
Ritu Mittal Gupta Punjab Agricultural University, India	**Removal of Heavy Metals in Constructed Wetlands: Comparative Analysis and Mechanistic Insights**

Preeti Sharma Punjab Agricultural University, India	**Strain Gradient Elasticity Theory for Multiple Arbitrary Oriented Cracks in Functionally Graded Materials**
Gurudatta Singh National Institute of Technology, India	**Alveolar Sandwich Osteotomy Technique for Vertical Ridge Augmentation**
Rakesh Kumar Sharma Central University of Rajasthan, India	**Water Security in Guwahati City (India): Examining Present Status and Emerging Challenges**
Hussam Abu Harb Sudha Rustagi College of Dental Sciences &amp, India	**Advanced Static Malware Analysis on Android Application using Hybrid Deep Learning Architecture**
Bharati Hazarika Gauhati University, India	**E-Commerce based Retailing: The Adoption of Information Technology by Small Shops to Manage Business Performance**
S.Poornima Presidency University, India	**Advancing Sustainability in Self-Compacting Concrete: Optimization Using Fish Scale Powder and Response Surface Methodology**
Vicky J. Nandgaye Resource Management Midlands State University, India	**Enhancing Supply Chain Forecasting with Hybrid Stacked Ensembles**
Ujwal. M. S Dayananda Sagar College of Engineering, India	**A Moving Yoffe-Type Crack Analysis for an Interior Crack Condition Parameters in Magneto-Electro-Elastic Materials**
Lucia Agnes Beena T Holy Cross College (Autonomous), India	**Enhancing Weak Soil Strength in an Eco-friendly and Sustainable Manner: Reusing Waste from Indigenous Bamboo Dwellings in Arunachal Pradesh**
Vikram Singh Central University of Rajasthan, India	**Enhancing In Vitro Plant Regeneration: The Power of Metal Nanoparticles**
Jeelek Rigia North Eastern Regional Institute of Science and Technology, India	**Performance Evaluation of 2D and 3D Beam and Channel Tracking Using Adaptive Filtering Techniques**
Nirlipta Saha Brainware University, India	**CLARA: Clustered Learning Automata-Based Routing Algorithm for Efficient FANET Communication**
Ruaa Abbas University of Tabriz, Iran	**A Novel Twisting Metamaterial Based on Cells Composed of Two Triangular Lattices**

Somayeh Danesh Islamic Azad University, Iran	**The Role of Probiotics in Skin Care: Advances, Challenges, and Future Needs**
Abderrahim Barhoumi Applications Laboratory (LEM2A) Moulay Ismail University, Morocco	**Influence of geomaterial nature on the buildings fracturation in the context of an active tectonic zone: case of Agadez city (North Niger)**
Fatemeh Safaei Iranian Research Organization for Science and Technology, Iran	**A Review of the Effect of Magnetic Field Using Nanofluids and Ultrasonic Amplification Technology on Water Desalination by Solar Stills**
Baraou Idi Souley University of Agadez, Niger	**Tailings in abandoned mining sites: impact, treatment and recycling for sustainable development**
Kimya Samadi Islamic Azad University, Iran	**Elimination of Secondary Oxide Phases in CdTe Nanostructured Thin Films Prepared by Conventional Spray Pyrolysis, and the Influence of Thermal Annealing using CVD device**
Chiraz Abdelmalak Babbou University of Tunis El Manar, Tunisia	**Investigating the effect of stretch on the structural formation and electrical conductivity of nano layers of PU/PVDF polymer alloy**
Hossein Robatjazi Shahrood University of Technology, Iran	**Elimination of Secondary Oxide Phases in CdTe Nanostructured Thin Films Prepared by Conventional Spray Pyrolysis, and the Influence of Thermal Annealing using CVD device**
Behrang Adeli Amir Kabir University of Technology, Iran	**Waste glass recycling: The combined effect of particle size and proportion in concrete manufactured with waste recycled glass**

GLIMPSES INTO

OUR PAST CONFERENCES










GLIMPSES INTO

OUR PAST CONFERENCES

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YOUNG RESEARCHER SESSIONS

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Buckingham Palace

Greenwich and Docklands

Hampton Court Palace

Kew Gardens

National Gallery

NETWORKING... CONFERENCING... FOSTERING

Attending a Conference isn't all about Learning and Networking

DISCOVERING

A right choice of conference destination is an important aspect of any international conference and keeping that in consideration, ***Adv. Materials Science 2025*** is scheduled in the Beautiful city "London'.

Palace of Westminster

Tower Bridge London

The London Eye

Wembley Stadium

St Paul's Cathedral

Windsor Castle

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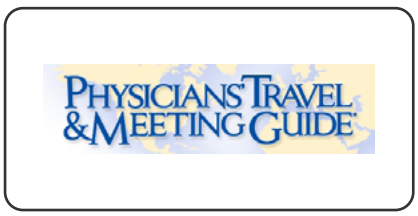

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Program Director

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