



INTERNATIONAL CONFERENCE
ON

NANOMATERIALS

ICN-2027



Innovate



Collaborate



Navigate



21 - 22 JANUARY 2027

Organized by

DEPARTMENT OF PHYSICS
LRG GOVERNMENT ARTS COLLEGE FOR WOMEN

(Affiliated to Bharathiar University, Coimbatore)

Accredited with B++ Grade by NAAC

Tirupur - 641 604, Tamil Nadu, India



CONFERENCE
WEBSITE

www.icn2027.in



SCAN TO
REGISTER





ABOUT ICN-2027

The International Conference on Nanomaterials (ICN-2027) aims to bring together leading scientists, researchers, academicians, industry experts and young scholars from across the globe to exchange knowledge, share innovative ideas and discuss recent advances in nanomaterials and their applications. ICN-2027 will provide a premier platform for interdisciplinary collaborations and cutting-edge research for addressing global challenges and building a sustainable future.



OBJECTIVES



To provide a global platform for exchange of knowledge on nanomaterials and nanotechnology.



To promote interdisciplinary research and foster collaborations among academia, industry and research institutions.



To explore innovative technologies and their real-world applications for societal benefit and sustainability.



To encourage young researchers and students to present their ideas and showcase their research.



To address global challenges through green nanotechnology and sustainable materials development.



To bridge the gap between fundamental research and industrial innovation.



MAJOR THEMES

01

ADVANCED NANOMATERIALS AND FUNCTIONAL MATERIALS



- Nanomaterials: Synthesis, Processing and Characterization
- Crystal Growth and Functional Materials
- Nanocomposites and Advanced Functional Materials
- Carbon Nanomaterials, Graphene and Two-Dimensional (2D) Materials

02

THIN FILMS, COATINGS AND ADVANCED MANUFACTURING



- Thin Films, Coatings and Surface Engineering
- Nanomanufacturing and Additive Manufacturing
- Materials for Semiconductor and Electronic Manufacturing
- Advanced Ceramics and High-Temperature Materials

03

NANOELECTRONICS, QUANTUM TECHNOLOGIES AND PHOTONICS



- Nanoelectronics, Spintronics and Quantum Materials
- Nanosensors, Nano-Optics and Photonic Devices
- Quantum Materials and Quantum Devices
- Flexible, Wearable and Printed Electronics

04

ENERGY, ENVIRONMENT AND SUSTAINABLE NANOTECHNOLOGY



- Nanotechnology for Energy Conversion and Storage
- Green Nanotechnology and Sustainable Materials
- Nanomaterials for Environmental Monitoring and Water Purification
- Hydrogen, Fuel Cells and Solar-Energy Materials

05

NANOBIOTECHNOLOGY AND HEALTHCARE



- Nanobiotechnology
- Nanomedicine and Drug Delivery
- Biomedical Nanomaterials and Biosensors
- Tissue Engineering, Bioimaging and Diagnostic Nanotechnologies

06

DEFENCE, AEROSPACE AND NUCLEAR MATERIALS



- Nanomaterials for Defence and Aerospace Applications
- Nuclear Materials and Radiation Technologies
- High-Performance Structural and Protective Materials
- Smart Materials and Advanced Sensors for Strategic Applications

07

COMPUTATIONAL NANOSCIENCE AND ARTIFICIAL INTELLIGENCE



- Computational Nanoscience and Materials Modelling
- Artificial Intelligence and Machine Learning for Materials Discovery
- Multiscale Modelling and Digital Materials Design
- High-Throughput Simulation and Materials Informatics





INTERNATIONAL CONFERENCE ON NANOMATERIALS

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KEYNOTE SPEAKERS (CONFIRMED)



Dr. Siti Hajar Othman
Associate Professor
Faculty of Engineering
Universiti Putra Malaysia
MALAYSIA



Prof. Tata Narasinga Rao
Vice Chancellor
Sri Venkateswara University
(Former Director, ARCI &
Adjunct Professor, IIT
Hyderabad)
Tirupati,
ANDHRA PRADESH, INDIA



Prof. John Philip
Emeritus Professor
Cochin University of Science
and Technology
(Former Associate Director,
IGCAR, Kalpakkam)
Kochi,
KERALA, INDIA



Dr. A. Samson Nesaraj
Professor
Department of Chemistry,
Kalasalingam University
Krishnankovil
TAMILNADU, INDIA



Dr. A. Manuel Stephan
Chief Scientist
CSIR - CECRI
Karalkudi,
TAMILNADU, INDIA



Dr. Vadivel Murugan
Professor
Centre for Nanoscience and
Technology
Pondicherry University
PUDUCHERRY, INDIA



Dr. T. Joseph Sahaya Anand
Professor & Director
School of Computing
MIT Vishwaprayaag
University
Solapur
MAHARASHTRA, INDIA



Dr. Sangita Bose
Associate Professor
UM-DAE Centre for Excellence
in Basic Sciences
University of Mumbai
MAHARASHTRA, INDIA



Dr. Edward Prabu Amaladass
Scientific Officer F
Materials Science Group,
IGCAR - Kalpakkam
TAMILNADU, INDIA



Dr. Balaji Rengarajan
Senior Scientist
ARCI - Centre for Fuel Cell
Technology
Chennai
TAMILNADU, INDIA



CALL FOR PAPERS

The Organizing Committee invites the submission of original research papers in all conference themes for presentation.



**FACULTY
PRESENTATIONS
(INVITED LECTURE)**



**RESEARCH SCHOLARS
PRESENTATIONS**



**STUDENT PROJECT
PRESENTATIONS**

★ ★ ★
**BEST PRESENTATION
AWARD**
for every session!

ABSTRACT GUIDELINES

- Abstract should be approximately 200 words.
- Prepared in Times New Roman, 12-point font.
- 1.5 line spacing.
- Submit through the ICN-2027 Online Submission Portal.

SUBMIT ABSTRACT ONLINE



Scan to Submit Abstract



Intimation of Acceptance
of Abstract

3 to 7 days after
abstract submission.



Registration Fee Payment for
Accepted Presenters

Immediately after
receiving the
acceptance email.



JOURNAL / PROCEEDINGS PUBLICATION

Selected original research papers, following a rigorous peer-review process, will be considered for publication in the *Journal of Physics: Conference Series* (Scopus-indexed), published by IOP Publishing, UK. The conference organizers have previously published the proceedings of their conference in *Journal of Physics: Conference Series* (Volume 2886, Issue 1, November 2024).

Visit the journal page for more details.



**Institute of Physics
Publishing**



IMPORTANT DATES

EVENT	DATE
Submission of Abstract (Through Online Platform)	10 January 2027
Intimation of Acceptance of Abstract	3 to 7 days after abstract submission
Registration Fee Payment for Accepted Presenters	Immediately after receiving the acceptance email.
Full Paper Submission	21 January 2027
Conference Dates	21 – 22 January 2027



**REGISTER
YOURSELF**

- 1 For delivering Invited Lecture (Faculty Presentations).
- 2 For Research Scholar Presentation.
- 3 For Student Project Presentation.



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SCAN TO
SUBMIT ABSTRACT





CATEGORY	INDIAN (₹)	FOREIGN (USD)
Academicians / Faculty Members / Part-Time Ph.D. Scholars	₹ 1,000	\$ 150
Full-Time Ph.D. Scholars	₹ 750	\$ 100
Industry Delegates	₹ 2,000	\$ 200
Students (UG / PG)	₹ 600	\$ 80
Accompanying Persons	₹ 400	\$ 60

- ✓ Registration fee includes Conference Kit, Working Lunch, Refreshments and Participation Certificate.
- ✓ Registration is mandatory for all accepted presenters.



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Principal



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Dr. J. Jayachitra
Associate Professor & Head
Department of Physics



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Assistant Professor (S.G)
Department of Physics

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13. Dr. K. Sankaranarayanan	Alagappa University	TAMIL NADU
14. Dr. Fouran Singh	Inter-University Accelerator Centre (IUAC)	DELHI

* Full affiliations of all Advisory Committee members are available on the conference website.



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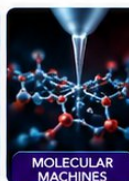
GRAPHENE



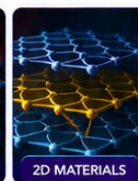
NANOPARTICLES



NANOWIRES



MOLECULAR MACHINES



2D MATERIALS

SCAN TO REGISTER



CONFERENCE HIGHLIGHTS



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