## **AIP Publishing**

# Fifth International Conference on

# **Advances in Physical Sciences and Materials**

29 - 30, August 2024 | Kangeyam, Coimbatore, Tamil Nadu, INDIA | www.icapsm.com



Fifth Edition

### **ICAPSM 2024**

The field of advanced physical sciences and materials have not only helped the development in various fields in Science and Technology but also contributes the improvement of the quality of human life to a great extent. The focus of the ICAPSM would be on state-of-the-art technologies and advances in Physical Sciences and Materials. It provides a remarkable opportunity for the academic, research and industrial communities to address new challenges and share solutions and discuss future research directions in the above fields. There is an immense opportunity to learn and express the views through interactive sessions and technical paper presentation. Eminent professionals, scholars and post graduate young researchers will share their views and enhance knowledge on broad spectrums of physical sciences and materials. Moreover, ICAPSM 2024 includes plenary lectures, keynote speakers' eminent personalities from around the world in addition to contributed papers presentations. The conference will be held in HYBRID MODE.

## Call for papers

ICAPSM 2024 invites full length original research contributions from engineering professionals from industries, R&D organisations, academic institutions, government departments and research scholars from across the world. Full length original research contributions and review articles not exceeding twelve pages in the single column AIP format shall be submitted. The manuscript template shall be found in the downloads section of the conference website. The manuscript should contribute original research ideas, developmental ideas, analysis, findings, results, etc. The manuscript should not have been published in any journals/magazines or conference proceedings and not under review in any of them. Further the manuscript should contain the name of the corresponding author with e-mail id and affiliation of all authors.

Soft copy of the full length manuscripts (in .doc and .pdf) shall be submitted to icapsm2024@gmail.com

## **Topics** (but NOT limited to)

#### **Physics and Materials**

Nuclear and particle physics
Advances in Instrumentation and techniques
Applications of Microscopy in Physical Science
Quantum Physics & Technology
Atomic and Molecular Physics
Nanophysics & Nanoscience
Mathematical and Computational Physics
Optics and Photonics
Fluid Mechanics
Thermodynamics
Mass Spectrometry
Meteorology and Aerodynamics
Material Science and Nano Materials
Electromagnetism and Micro Electronics

#### **Mathematics**

Molecular therapeutics Algebraic Geometry Category Theory Complex Analysis **Differential Equations** Differential Geometry **Discrete Mathematics** Dynamical Systems and Ergodic Theory **Functional Analysis** Fuzzy Logic and Its Applications Mathematical Logic and Foundations Mathematical Physics Number Theory & Analysis **Numerical Analysis Operator Theory Probability Theory and Statistics** 

#### **Chemical Sciences**

Mathematical Chemistry
Mathematical Biology
Material Chemistry
Nuclear Chemistry
Conducting polymers
Polymer composites
Ceramic materials
Carbon materials and applications
Advanced structural materials
Recent advances in chemistry
Forensic Chemistry
Industrial Chemistry
Organic and inorganic chemistry
Petrochemistry
Advances in clinical chemistry

#### **Physics**

Plasma Physics Biophysics Medical Physics Geophysics Laser Physics Applied Physics Astrophysics

## Information & Communication

Electrical Engineering Communication Technology Computer Science Information Technology Chemical Engineering Biomedical Engineering Civil Engineering

## Publication - Previous Editions (indexed in SCOPUS)

ICAPSM 2022 - AIP Conference Proceedings, Volume No. 2901, Vol. 1 (2023)

ICAPSM 2021 - IOP: Journal of Physics Conference Series, Volume No. 2070 (2021)

ICAPSM 2020 - IOP: Journal of Physics Conference Series, Volume No. 1706 (2020)

## Important dates

\*Proceedings of ICAPSM 2023 is under final stage at production with AIP Publishing.

Last date for paper submission	20,July 2024
Notification of acceptance	05, August 2024
Registration deadline	10, August 2024
Camera Ready Paper (CRP) submission	11, August 2024
Release of Conference schedule	11, August 2024
Conference date(s)	29 - 30, August 2024

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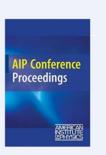
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The book of proceedings of ICAPSM 2024 with all the accepted papers will be published in the following AIP Conference Proceedings.



# AIP Conference Proceedings

A Conference Proceedings Journal

## Indexing and Abstracting

The book of proceedings of ICAPSM 2024 will be indexed in

Conference Proceedings Citation Index – Science (CPCI-S)

(Thomson Reuters, Web of Science)

EI - Compendex

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