



**International Conference**  
**on**  
**Advanced Functional Materials**  
**(ICAFM-2023)**  
**Hybrid mode**  
**(3<sup>rd</sup> & 4<sup>th</sup> October- 2023)**



**Organized by**  
**PG & Research**  
**Department of Physics**  
**TBML College, Porayar - 609 307**  
**(Affiliated to Annamalai University)**  
**Mayiladuthurai District**  
**Tamil Nadu, India**

**Venue: Seminar Hall,**



**About ICAFM 2023**

The primary goal of the ICAFM 2023 conference is to showcase and emphasize the ongoing research in the key areas of materials science and technology. The conference serves as a valuable platform for individuals to acquire knowledge and exchange the most recent research findings in the field of materials science and technology. The conference is centred around several core thematic areas, including energy, sensors, functional materials, and process. The Conference comprises keynote lectures delivered by renowned scientists from around the globe, as well as oral presentations by scientists, academicians, scholars, and students on a wide range of topics within the field of materials science and technology. The ICAFM 2023 conference is currently accepting abstracts and full-length manuscripts in the thematic areas mentioned above. These submissions have the opportunity to be presented orally and via Posters.

**IMPORTANT DATES:**

Commencement of Abstract Submission: 22-9-2023  
Last date for abstract submission : 24-9-2023  
Intimation of acceptance : 25-9-2023  
Early bird registration : 20-9-2023  
Last date for registration : 29-9-2023

**DELEGATE FEE:**

Students/ Scholars - INR 350  
Staff/ Scientist/ Faculties - INR 600

**MODE OF REGISTRATION:**

Link: <https://forms.gle/hxfvD7xGwVCMzCfo6>

Scan for payment



Account Details

Name : ABISHAKE DAVID  
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**ADDRESS FOR COMMUNICATION:**

Convener – ICAFM-2023  
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**TECHNICAL SUPPORT**

Mr. Paulson Emerson, Mr. Soorya Srinivasan,  
Ms. Agalya Mathivanan, Ms. R. Piriyadharsini  
Mr. P. Abishake David

**THEMES**

- ❖ Energy storage
- ❖ Photochemistry & Computational chemistry
- ❖ Bio sensors
- ❖ Functional Materials
- ❖ Environmental Sustainability
- ❖ Thin films and coatings
- ❖ Photocatalysis for water treatment
- ❖ Organic and inorganic materials

**CHIEF PATRON**

**Rt. Rev. Dr. A. Christian Samraj,**  
Bishop / President /  
Secretary / Correspondent  
TBML College, Porayar.

**PATRON**

**Dr. S. Johnson Jeyakumar,**  
Principal,  
T.B.M.L. College, Porayar.

**CONVENERS**

**Dr. I. Kartharinal Punithavathy,**  
Head & Associate Professor,  
**Dr. M. Jothibas,**  
Assistant Professor,

**ORGANIZING SECRETARY**

**Dr. S. Sivabalan,** Assistant Professor,  
**Dr. S. Rajendran,** Assistant Professor.

**ORGANIZING COMMITTEE MEMBERS**

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**Mrs. S. Roseline Marial,** Assistant Professor.  
**Dr. B. Arun Kumar,** Assistant Professor.  
**Dr. J. Divya,** Assistant Professor.  
**Mrs. H. Lincy** Assistant Professor.

**CHAIR PERSONS**

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**Dr. D. Benny Anburaj,** Associate Professor,  
DGGAW college, Mayiladuthurai.  
**Dr. S. Ramalingam,** Associate Professor,  
AVC College (Autonomous), Mayiladuthurai.  
**Dr. S. Subash Chandrabose**  
Head & Department of Physics  
PRIST (Deemed to be University), Vallam, Thanjavur



## ABOUT COLLEGE

Tranquebar, "The Queen of the Coromandel Coast" symbolizes the Portuguese - Danish - French - English heritage with its rich and glorious past. Realizing the need for the establishment of a centre for higher education the chose Porayar, a rural hamlet in the erstwhile Thanjavur District for starting its first higher educational institution. The Vision was brought into reality with the rise of Tranquebar Bishop Manikam Lutheran College which was named after Late Rt. Rev. Dr. R. B. Manikam, the first Indian Bishop of the church. It became an important landmark in the annals of the Tamil Evangelical Lutheran Church on 19th June 1972. Over 1500 students are studying in this college. The college now offers fourteen undergraduate, Fifteen postgraduate courses, and eight research programmes to students from rural places and financially weak.

**Motto: "Amor Vincit Omnia"  
(LOVE CONQUERS ALL)**

## ABOUT DEPARTMENT

Physics holds an important place in the history of humanity and is valuable to the future of all human beings, and this is a belief, that guides the functioning of the department of Physics. The chronological establishment of the department includes, B. Sc (Physics) in 1974 and M. Sc (Physics) in 1979 in Aided stream and also B. Sc (Physics) in 1990 and M. Sc (Physics) in 1992 in SF Stream. In research, it also includes M. Phil (FT&PT) in 1985 and Ph. D PT in 1992 & FT 2012. Presently there are nearly 250 Students get enrolled for their studies. The students are provided with holistic education to empower them to lead from the front. The department provides an environment conducive to nurturing analytical minds. It is the endeavour of the department to offer a rich academic experience wherein students learn to think critically, communicate theoretical concepts effectively, and become lifelong learners.

Highly qualified and sincerely committed Faculty, through their pedagogical practices including informal classroom interactions, model demonstrations, students' seminar, International Research Publications and Evaluation patterns enable students to explore the fascinating world of Physics. We also proudly claim the band of successful Alumni holding high offices at Global level.

The mission of the department is to inspire, prepare, and empower students to succeed in the ever-changing world.

## NATIONAL ADVISORY COMMITTEE

- Dr. G. Ravi,**  
Vice-Chancellor, Alagappa University, Karaikudi, Tamil Nadu.
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Professor-cum-Director, Periyar University, Salem, Tamil Nadu.
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Dean Sponsored Research SASTRA University, Tanjore
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Professor, Kanchi Mamunivar Govt. Institute for PG & Research, Puducherry.
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Head & Assistant Professor, St. Joseph's College of Arts and Science, Cuddalore.
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Assistant Professor, Department of Physics, Sir Theagaraya College, Chennai, Tamil Nadu.
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Department of Physics, Idhaya College for Women (Affiliated to Bharathidasan University), Kumbakonam, Tamil Nadu.
- Dr. Praveen,**  
Assistant Professor, Manalmedu Govt Arts College, Mayiladuthurai.

## INTERNATIONAL ADVISORY COMMITTEE

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Professor, Kumoh National Institute of Technology (KIT), South Korea
- Dr. John V Kennedy,**  
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- Dr. R. Atchudan,**

International Research Professor, School of Chemical Engineering, Yeungnam University, Republic of Korea.

- Dr. A. Muthuvel,**  
Post Doctoral Fellow, Air Langga University, Indonesia.

## SPEAKERS

- Dr. GANESH KUMAR MANI**  
Research Assistant Professor, Microfluidics & Biosensor lab  
Korea Advance Institute of Science and Technology (KAIST)  
Korea.  
Title: Recent Progress in Microsensor Systems for Biomedical Applications.

- Dr. P. PARTHIBAN**  
Professor of Chemistry  
Komar University of Science and Technology,  
Seelaimamiyah Kurdistan Region, Iraq.  
Title: Graphite Carbone nitrate synthesis, Characterization & Application

- Dr. M. ARIVANANDHAN**  
Professor, Centre for Nanoscience and Nanotechnology,  
Anna University, Chennai  
Title: Nanostructured thermo electric material for energy harvesting from waste heat.

- Dr. E. MANIKANDAN**  
Associate Professor,  
Pondicherry University, India.  
Title: Advanced Functional materials Thin films coatings for future technology:An overview

- Dr. T.C. SABARI GIRISUN**  
Assistant professor  
Nanophotonic Laboratory, School of Physics,  
Bharathidasan University, Tiruchirappalli.

- Title: Nanohybrids Driven Green Energy Harvesters

- Dr. J. JAYABHARATHI**  
Professor & Head, Department of Chemistry,  
Annamalai University.

- Title: Liquid Crystal display
- Dr. MOHAMED BOUOUDINA**  
Professor, Mathematics and Sciences Department, Prince  
Sultan University, Saudi Arabia.

- Title: Tailoring Nanomaterials Properties &  
Functionality for Environmental Sustainability