

National Conference on Strategic Foresight and **Innovative Skills for Smart** Material Research: Science for a Sustainable Future

February 28, 2025

Organized by **Department of Physics** Holy Cross College (Autonomous) Nagercoil- 629004

Accredited with A++ Grade (CGPA 3.53) by NAAC-V CYCLE An ISO 9001:2015 Certified Institution

In Association with Tamil Nadu Science Forum Kanniyamari District Committee (TNSF)

About the College

Holy Cross College (Autonomous), Nagercoil, affiliated to Manonmaniam Sundaranar University is the first Women's College in Kanyakumari District established on 2nd August 1965 and administered by the Congregation of the Sisters of the Cross of Chavanod, France with the thrust on Empowerment of Women. The college was conferred Autonomous status in 2007 and re-accredited with A++ Grade (CGPA 3.53) by NAAC in the V cycle. The college aims for total liberation and development of the trends that will shape the sustainable use of whole personality of the students in order to take their right place and responsibility in society.

About the Department

The Department of Physics established in the year 1966 is one of the vibrant science departments of Holy **Cross College (Autonomous), Nagercoil which focuses on** the professional and personal development of the students. The department aims to impart quality education for the future generations of physicists and competently offers B.Sc., M.Sc. and Ph.D. programmes in Physics. Equipped with highly qualified, experienced and dedicated teaching faculty who impart knowledge in new emerging areas of physics, the department has a credible record of good performance in teaching and research. Striding towards the path of excellence, our department strives at empowering young minds to meet the challenges of the future, achieve their goals and excel in their career.

The National Conference on Strategic Foresight and Innovative Skills for Smart Material Research: Science for a Sustainable Future serves as a dynamic platform for researchers, academicians and industry experts to converge and explore cutting-edge developments in smart materials. This conference aims to foster interdisciplinary collaborations and enhance research capabilities, and identify future advanced materials. Key themes of the conference include next-generation nanomaterials, biomaterials, energy-efficient materials, self-healing and adaptive materials. Through keynote speeches, , participants will gain valuable insights into emerging technologies and industry applications. By bringing together, this conference seeks to inspire transformative research and strategic initiatives that contribute to a more sustainable and technologically advanced future. We invite researchers, professionals, and students to join us in shaping the future of smart material science through collaboration and knowledge exchange.

About the Conference

Registration

Registration can be done through the following link

https://forms.gle/Vx5AN3b68sutA2zz7

Spot registrations are also allowed on prior requisition

Registration Fee

Faculty, Students and Research Scholars **Presentation: Rs. 500**

Participation: Rs. 250

Inagural Address

Prof. T. Nagarajan, **District President**, **TNSF**

Invited Speakers

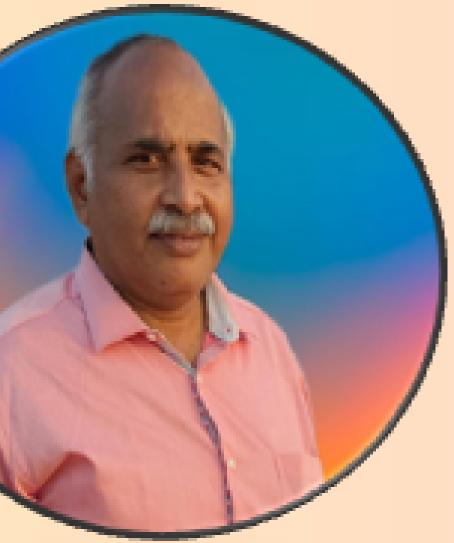
 Session I **Prof. N. Ponpandian**, **Professor and Head**, **Department of Nanoscience** and Technology, **Bharathiar University**, Coimbatore. **Topic: Smart Materials for Sustainable Energy Technologies** Session II Dr. K. C. Bright, **Associate Professor**, **Department of Physics**, Mar Ivanios College (Autonomous), Thiruvananthapuram. **Topic: Advances and Applications in Solid-State Nonlinear Optics** Session III Er. M. Selvam, Scientist. ISRO(Rtd), **District Resource Person**, TNSF. **Topic: Science and Superstition**











Guidelines for Paper Presentation

The organizing committee of this conference invites unpublished original research articles from the faculty, research scholars and students. The abstract and full paper should be typed in Times New Roman font (font size: 12 and single line spaced). The full paper should not exceed 4 pages. The abstract and full length paper must be sent to the mail id:<u>physicsconf@holycrossngl.edu.in</u>

Important Note

- Ensure that the plagarism level is below 20%.
- All tables and figures should be properly numbered.
- at relevent locations, not placed at the end.
- proceedings with ISBN Number.
- Journals.

Important Dates

Abstract Submission : 20.02.2025 Date of Acceptance : 21.02.2025 Full Paper Submission: 24.02.2025

Contact Details

Dr. A. Lesly Fathima-7598473275 Dr. M. Abila Jeba Queen- 9003486880

• Figures and tables should be integrated into the text

All accepted papers will be published in conference

Selected papers will be published in Scopus Indexed

Dr. Sr. M. Mary Gilda, Secretary,

Dr. Sr. S. Sahayaselvi, Principal,

Dr. C. Nirmala Louis, Head & Associate Professor, **Department of Physics**, Holy Cross College (Autonomous), Nagercoil.

Patron

Holy Cross College (Autonomous), Nagercoil. Chairperson

Holy Cross College (Autonomous), Nagercoil.

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Dr. A. Lesly Fathima, Assistant Professor of Physics.

Dr. M. Abila Jeba Queen, Assistant Professor of Physics.

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Mr. M. Sasikumar, State Vice president, TNSF.

Mr. Sivasree Ramesh, District Secretary, TNSF.