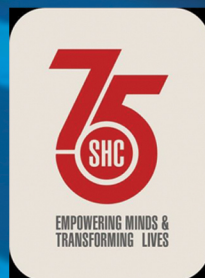




National Conference on Innovative Materials and Advanced Technology for Sustainable Development - 2026

(To commemorate with the Silver Jubilee of the M.Sc. Physics Programme)

29-30 January 2026



Organized by

P.G and Research Department of Physics Sacred Heart College (Autonomous), Tirupattur

(Partially supported by Tamilnadu State Council for Science and Technology, Govt. of Tamilnadu and Association for Shockwaves and Materials Research)

About the College

Sacred Heart College is an affiliated First Grade College of Thiruvalluvar University. It is a Catholic minority institution, established and administered by the Salesians of Don Bosco (SDB). The college was founded in 1951 by Rev. Fr. Joseph Carreno SDB, a visionary missionary from Spain. It began its journey with just 10 teachers and 81 students, and over the past seventy-five years, it has grown into a postgraduate and research institution of repute. In 1987, the college attained autonomous status and it has consistently embraced quality assessment and self-evaluation to enhance its institutional performance. Following the first NAAC assessment in 1999, the college expanded its academic portfolio by introducing several postgraduate programs. In recognition of its sustained commitment to quality education, the college has been reaccredited with "A++" Grade (CGPA 3.53) by NAAC in its fifth cycle (2024). In recent years, the college has made its mark in the NIRF rankings, securing a position within the top 100.

About the Department

The Department of Physics was established in 1968 and has grown remarkably from its humble beginnings to become one of the most vibrant and research-active departments of Sacred Heart College. Today, it offers B.Sc., M.Sc., & Ph.D. Programmes in Physics, fostering academic excellence and scientific inquiry. The postgraduate programme (M.Sc. Physics) was introduced in the year 2001, and the department attained the status of a full-fledged research department in 2007. Since then, it has produced over 150 M.Phil. Scholars, and 24 Ph.D., scholars in diverse and contemporary areas such as: Crystal Growth, Nanostructured Materials, Thin Films, Shock Wave Research and Dielectric Spectroscopy under eight research supervisors. Some of the state-of-the-art analytical instruments available in the department include: Powder X-Ray Diffractometer (XRD), UV-Visible Spectrophotometer, FTIR Spectrophotometer, Impedance Analyzer and Shock wave analyzer. Several major and minor research projects funded by DAE-BRNS, UGC and IUAC have been completed. The department has also successfully organized several conferences with financial support from funding agencies such as UGC, CSIR, BRNS, DST, and TNSCST. The department proudly celebrates the Silver Jubilee of its M.Sc. Physics Programme this year, coinciding with the Platinum Jubilee of the College.

About the Conference

This conference brings together researchers, scientists, and professionals from diverse fields to share recent developments, exchange ideas, and foster collaboration. Covering areas such as nanotechnology, material science, smart materials, environmental remediation, crystal growth, sensors, optics, photonics, biomedical sciences, computational sciences, ceramics, thin films, and shock waves in materials science research, the event serves as a multidisciplinary platform for presenting innovative work and discussing future directions. Through keynote talks, technical sessions, and interactive discussions, the conference aims to promote knowledge exchange and strengthen connections across various scientific domains.

Location

The college is conveniently located on the Chennai-Salem Highway, about 1 km from the Tirupattur Bus Terminus, ensuring easy accessibility by road. Buses plying along this route also stop directly at the college bus stop for the convenience of students and visitors. The campus is well connected by rail, with trains from Coimbatore, Bengaluru, and Chennai providing regular service to the region. The Tirupattur Railway Station is located just 1.5 km away, while Jolarpettai Junction, a major railway hub is approximately 7 km from the college. The scenic Yelagiri Hills, a popular hill station, is also easily accessible, just a forty-minute drive away.

National advisory Committee

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Dr. S. Bhala Murugan, PRL, Ahmadiyah
Dr. I. Panneer Muthuselvam, University of Delhi
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10. Mrs. S Ezhil Arasi, Department of Physics

Important Dates to Remember :

Last date for Registration and Abstract Submission : 29th December 2025
Intimation for Acceptance : 5th January 2026
Conference Dates : 29-30 January 2026



Registration Fee :

For Faculty/Industrialists : Rs. 1500/-
For Ph.D Scholars : Rs.1200/-
For PG students : Rs. 1000/-
Registration Link : <https://forms.gle/kZK45QHAiRxE6C3D7>
Registration fee includes conference kits, refreshments, business lunch and participation certificate.

Account Details :

Account Name : Principal SHC
Account Number : 074502629964190001
Name of the Bank : CSB Bank
Branch : Gandhipet
IFSC : CSBK0000745



INVITED SPEAKERS



Prof. R. Ganesan

Principal Research Scientist
Department of Physics
Indian Institute of Science
Bangalore.



Prof. G. Rajesh

Professor
Department of Aerospace Engineering
IIT Madras
Chennai.



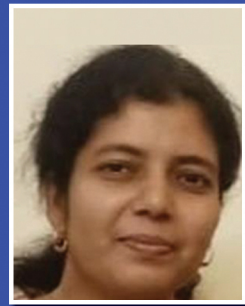
Prof. Sudakar Chandran

Professor
Department of Physics
IIT Madras
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Dr. Raja Mitra

Associate Professor
School of Chemical and
Material Sciences
IIT, Goa.



Dr. S. C. Vanithakumari

Scientific Officer
Corrosion Science and
Technology Division
IGCAR, Kalpakkam.



Dr. C. Justin Raj

Senior Associate Professor
School of Physical Sciences
VIT University
Chennai.



Dr. K.R.S. Preethi Meher

Assistant Professor
Department of Materials Science
Central University of TamilNadu
Thiruvavarur.



Dr. Shubhadip Chakraborty

Associate Professor
Department of Chemistry
GITAM Deemed to be University
Bangalore.

AWARDS

Best Paper Award for both Oral & Poster Presentations carries a Memento with a certificate of Appreciation

ACCOMMODATION

A limited number of male and female scholars can be accommodated in the college hostels at subsidized rates on a first-come, first-served basis (Contact: Mr. D. Rajkumar – 9789239347). Others may avail themselves of affordable lodging facilities in the nearby hotels at discounted rates. (Contact: Dr. G. Jayakumar – 9943215683)

Convener :
Dr. M. Jose
Head (PG),
Department of Physics, Sacred Heart College

Co-convener :
Dr. R. Ramesh
Department of Physics, Sacred Heart College

Organizing Secretary :
Dr. P. Kannappan
Department of Physics, Sacred Heart College

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