

DAY-1



Dr. K.S. CHANDRASEKAR

Vice Chancellor
Cluster University of Jammu

Inaugural Address



Dr. F. BELLARMINE

Research Scientist, InCent-LGD
Indian Institute of Technology,
Madras

TITLE

**Metal oxide nanostructures and its
optoelectronic applications**



Dr. MALLEESH BAITHI

Post-Doctoral Fellow, Sungkyunkwan University,
South Korea

TITLE

Van Der Waals Materials



Dr. T. ELANGOAN

Assistant Professor, Periyar University,
Salem

TITLE

**DFT, quantum chemical, and molecular
simulation approaches in predicting
energy material properties and reactions.**

DAY-2



Dr. T. C. SABARI GIRISUN

Assistant Professor,
Bharathidasan University,
Thiruchirappalli

TITLE

**Smart Materials for Next-Generation
Solar Cells**



Dr. B.J. JACKIN

Professor, Department of Information Science
Kochi University,
Japan

TITLE

**Information Processing using Light
Current and Future Trends**



Dr. R. JUSTIN JOSEYPHUS

Professor
National Institute of Technology,
Thiruchirappalli

TITLE

Emerging Trends in Magnetic Materials



Dr. R.V. JEBARAJASEKHAR

Associate Professor
Government Arts & Science College, Melur

Valedictory Address

Scientific Advisory Committee

Dr. R.V. Jeba Rajasekhar, Associate Professor GAC, Melur

Dr. Tennyson Daniel, National Physical Laboratory, London, UK

Dr. N. Victor Jaya, Anna University, Chennai

Dr. I. Hubert Joe, University of Kerala, Kariavattom

Dr. M. Michael Gromiha, IIT, Chennai

Dr. P. Ramasamy, SSN institutions, Chennai

Dr. M. Srinivasan, SSN institutions, Chennai

Dr. N. Karunakaran, SRM Institute of Science and Technology, Chennai

Dr. D. Arun Kumar, Nagoya University, Japan

Dr. Joseph Daniel, Kyungpook National University, South Korea

Dr. B. Riscob, IPR, Gandhinagar, Gujarat

Dr. Kasinathan Kaviyarasu, The iThemba Laboratory for Accelerator-
Based Sciences, South Africa

Dr. Murugan Balaji, National University of Singapore

Dr. Ruchita T Khare, Modern College of Arts, Science and Commerce, Pune.

Dr. P. Arularasan, D G Vaishnav College, Chennai.

Dr. V. Thayanithi, Nandha College of Engineering, Erode

Dr. Jeya Kumari, Director, Titanium River Limited, London, United Kingdom

Dr. Ravichandran, University of Madras, Chennai

Dr. N. Ponpandian, Bharathiar University, Coimbatore

Dr. N. Vijayan, CSIR, National Physics Laboratory New Delhi

Dr. M. Selvapandiyan, Periyar University, Dharmapuri

Dr. S. Sudhakar, CSIR-CECRI, Karaikudi

Dr. P. Christopher Selvin, Bharathiar University, Coimbatore

Dr. P. Anbarasan, Periyar University, Salem

Dr. B.S. Sreeja, Anna University, Chennai

Dr. V. Krishna Kumar, Founder, IMAI LLC, California, USA

Address for Communication

Dr. P.J. Jegan Babu (Convener)

☎ 9442077927

Dr. S.E. Joema (Co - Convener)

☎ 9994173950

Dr. S. Sindhusa (Co - Convener)

☎ 9976123209

📍 Department of Physics & Research Centre
Nesamony Memorial Christian College,
Marthandam - 629165.

✉ ipesmq2k26@gmail.com



NESAMONY MEMORIAL CHRISTIAN COLLEGE MARTHANDAM

(63rd position in India Rankings-2025 for colleges by NIRF)



International Conference on Innovative
Pathways in Energy, Smart Materials
and Quantum Computation for a
Sustainable World

(IPESMQ-2k26)

Organized by
Department of Physics &
Research Centre

FEB 12 & 13 2K26

• A Glimpse of Our College •

Nesamony Memorial Christian College, established in 1964 at Marthandam in Kanyakumari District, is a premier institution affiliated with Manonmaniam Sundaranar University, Tirunelveli. Guided by a strong missionary vision, the college is dedicated for providing quality education and promoting the empowerment of economically and socially marginalised communities in southern India.

The institution offers a wide range of academic programmes, including 18 undergraduate, 15 postgraduate, and 12 doctoral courses. With a distinguished National Institutional Ranking Framework (NIRF) ranking of 63rd the highest in Kanyakumari District the college continues to uphold a tradition of academic excellence. It has been re-accredited by NAAC in 2025, reflecting its enduring commitment to educational quality and social responsibility.

• Department at a Glance •

The Department of Physics was established in 1966 and has since evolved into a recognised centre for academic and research excellence offering undergraduate, postgraduate, and doctoral programmes. The Department of Physics and Research Centre is supported by a team of highly qualified and experienced faculty members who actively contribute to the advancement of knowledge through impactful research and publications.

The department is equipped with a well established library, computer laboratory, synthesis laboratory, and two advanced physics laboratories that provide students with enriching hands-on learning experiences. With a mission to deliver quality education and foster innovation, the department strives to equip students with the knowledge, skills, and competencies required to meet the challenges of emerging technologies and future scientific advancements.

• Highlighting the Conference •

The International Conference on Innovative Pathways in Energy, Smart Materials and Quantum Computation for a Sustainable World (IPESMQ-2K26) is a global platform uniting researchers, academicians, industry experts, and innovators to explore recent advances in energy systems, smart materials, nanotechnology, and sustainable technologies. The event features plenary sessions, keynote lectures, invited talks, technical papers, and poster presentations, fostering meaningful knowledge exchange across disciplines. IPESMQ-2K26 aims to promote interdisciplinary collaboration, inspire innovative ideas, and encourage research partnerships that contribute to a cleaner, smarter, and more sustainable future.

• Focus Streams •

Spectroscopy	Quantum Computation
Crystallography	Thin Films
Crystal Growth	Energy Materials
Nanomaterials	Modelling and Simulations
Solar Energy	Composite Materials
Biomaterials	Material Science
Nuclear Physics	Astro Physics
Polymer Composite	Environmental Physics
Magnetic Materials	Solar Cell

• Important Dates •

Last date for full length paper submission	Feb 05
Intimation of acceptance	Feb 06
Last date for registration	Feb 09

• Registration Fees •

Students/PG	₹ 600/-
Research Scholars	₹ 800/-
Faculty/Staff	₹ 1200/-
Foreign Participants	\$ 150



Please use the following link to register, make a payment and submit the full length paper

<https://nmcc.ac.in/Register.aspx>

The full length paper for oral and poster presentations should be typed in the standard format of Times New Roman with font size 12, 1.5 line space and not exceeding five pages. The best paper awards will be given for the selected oral/poster presentations. The selected papers will be recommended for publication in proceedings with ISBN.

The full - length paper will be forwarded to the email address provided below.

ipesm2k26@gmail.com

• Organizing Committee •

Correspondent Dr. A.J.S. Pravin	Principal i/c Dr. G.D. Biji
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Organizing Secretary
Dr. D. Arul Dhas (HOD)

Convener
Dr. P.J. Jegan Babu

Co - Conveners
Dr. S.E. Joema - Dr. S. Sindhusa

• Members •

Dr. S.C. Jeyakumar	Dr. E. Ashlyn Kirupa
Dr. R. Racil Jeya Geetha	Dr. A.S. Jebamalar
Dr. S. Jeslin Sunitha Bai	Dr. T. Asenath Benitta
Dr. M. Ajitha Sweetly	Dr. O.V. Mary Sheeja
Dr. C. Christal Vasanthi	Dr. P.M. Shyly
Dr. J. Anitha Hudson	Dr. D.J. Gino

• Conference Location •

The conference is scheduled to take place in **Seminar Hall-II** of Nesamony Memorial Christian College, Marthandam, located in Kanniyakumari District, Tamil Nadu, India. The institution lies adjacent to National Highway 47 (NH 47), which connects Nagercoil with Thiruvananthapuram. The nearest railway station is Kulitturai, accessible through major train routes. Thiruvananthapuram International Airport is situated approximately 43 kilometers from the venue.



• Accommodation •

Participants who require accommodation will be provided rooms in nearby hotels according to their preferred category, on a payment basis. Kindly contact the conveners well in advance for the best arrangements