

ADVISORY COMMITTEE

Dr. R. Anandhan

Assistant Professor,
Department of Organic Chemistry,
University of Madras,
Chennai, Tamilnadu.

Dr. T. M. Sridhar

Assistant Professor & Head i/c
Department of Analytical Chemistry
University of Madras
Chennai, Tamilnadu.

Dr. Javid Ali

Associate Professor,
Department of Mathematics,
Aligarh Muslim University,
Aligarh, Uttar Pradesh.

Dr. Hemamalini Rajagopal

Associate Professor & HoD,
Department of Physics,
Queen Mary's College (A),
Chennai, Tamilnadu.

Dr. N. Jansi Rani

Associate Professor & HoD,
Department of Mathematics,
Queen Mary's College (A),
Chennai, Tamilnadu.

Dr. G. Usha

Associate Professor (Retd.),
Department of Physics,
Queen Mary's College (A),
Chennai, Tamilnadu.

Dr. P. Vasanthi Beulah

Associate Professor (Retd.),
Department of Mathematics,
Queen Mary's College (A),
Chennai, Tamilnadu.

Dr. B.Vigneashwari

Associate Professor,
P.G and Research Department of Physics,
Govt Arts College for Men,
Krishnagiri, Tamilnadu.

Mr.M.G. Mohanakrishnan

Assistant Director of Programmes
(Science Section)
All India Radio, Chennai.

PATRON

Dr. B. Uma Maheswari, Principal
Queen Mary's College, Chennai

CONVENORS

Dr. Maria Preethi Srinivasan

Co-ordinator of IQAC & Science Club,
Queen Mary's College (A), Chennai.

Dr. R. Vanathi Vijayalakshmi

Associate Professor, Department of Physics,
Co-ordinator of Science Club,
Queen Mary's College (A), Chennai.

Dr. R. Hemavathy

Associate Professor, Department of Mathematics,
Co-ordinator of Science Club,
Queen Mary's College (A), Chennai.

ORGANIZING COMMITTEE

Dr. R. Uma, Associate Professor & HoD,
Department of Physical Education

Dr. B. Revathi, Associate Professor,
Department of Biochemistry

Dr. S. Aruna, Associate Professor,
Department of Chemistry

Dr. A. Punitha, Associate Professor,
Department of Computer Application

Dr. S. Lekha, Associate Professor,
Department of Zoology

Dr. S. Leelalakshmi, Assistant Professor,
Department of Computer Science

Dr. A. Vetrivelvi, Assistant Professor,
Department of Botany

Dr. J. Nandhini, Assistant Professor,
Department of Geography

Mrs. K. Kavvarshi, Guest Lecturer,
Department of Home Science

Address for Correspondence

Dr. R. Vanathi Vijayalakshmi

Convenor

Associate Professor

Department of Physics,
Queen Mary's College (A),
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Dr. R. Hemavathy

Convenor

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Department of Mathematics,
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QUEEN MARY'S COLLEGE (AUTONOMOUS), CHENNAI-600 004

(Accredited by NAAC with A⁺ Grade)

INTERNATIONAL CONFERENCE ON “SUSTAINABLE MATERIALS: GLOBAL PERSPECTIVES & RESEARCH OPPORTUNITIES”

ICSM 2025

THURSDAY & FRIDAY | 24 & 25 | JULY 2025

VENUE: VELU NACHIYAR HALL, QMC



organized by
SCIENCE CLUB, QMC



About the College

Queen Mary's College, a pioneer in the field of higher education for women was established in 1914 and holds an A+ in the NAAC accreditation held recently. Spanning a period of 110 years from colonial times to the post Independence era, the college has made great strides in the empowerment of women through higher education. As a government college, it is a frontrunner in the democratization of higher education. This unique blend of egalitarianism and commitment to excellence makes Queen Mary's College an institution that is revered for its' social vision. Apart from its' heritage, Queen Mary's College offers the perfect ambience for learning; the green campus of 17 acres is located on Kamarajar Salai and overlooks the scenic Marina Beach. This sea-side haven of learning is an ideal setting for minds journeying towards new horizons.

About Science Club

The Science Club of QMC was formed in 2024 by a group of committed faculty from the 11 Science Departments of the college. They envisioned a platform for capacity building; being multi disciplinary, the Club provides the opportunity for sharing of knowledge across disciplines. A key milestone was signing an MoU with the International Centre for Clean Water (ICCW), IIT Madras Research Park, Chennai, enabling internships in analytical chemistry and water analytics. The club promotes interdisciplinary learning through events like Science Quiz, Math Olympiad, and many more events. The activities of the Science Club are geared towards honing research acumen and innovation in STEM and related fields.

About the Conference

ICSM 2025 offers a unique platform to explore innovations in sustainable materials and green technologies. It bridges diverse thrust areas such as,

- **Material Science**
- **Nanoscience and Nanotechnology**
- **Nanophotonics**
- **Nano textiles and Textile Technology**
- **Crystal Growth and Crystallography**
- **Biophysics**
- **Green Engineering**
- **Energy**
- **Materials for Ecological Sustainability**
- **Applied Mathematics**

With a focus on real-world impact, the event highlights cutting-edge research that addresses key environmental challenges, including pollution control, energy efficiency, and ecological sustainability. Participants will enjoy a vibrant mix of plenary talks, led by renowned scientists and industry leaders. The conference embraces a multidisciplinary approach, integrating material science, nanotechnology, textile engineering, biophysics, crystallography, and applied mathematics to promote holistic solutions. Special emphasis is placed on student participation, offering awards, interactive sessions, and networking opportunities to empower the next generation of sustainability champions.

Participants will also have the opportunity to present their research work through Oral and Poster presentations. Also, they can exhibit their own innovative sustainable products during the conference.

ONLINE REGISTRATION LINK:

<https://forms.gle/Ghptc1TWUDQxq6A99>

REGISTRATION FORM

NAME:
DESIGNATION:
ORGANIZATION:
ADDRESS:
MOBILE NO.:
EMAIL ID:

REGISTRATION FEE

PG Students - Rs. 600/-

Research Scholars - Rs. 750/-

Faculty - Rs. 850/-

(This includes conference kit and lunch)

PAYMENT DETAILS

BANKING NAME: ARUNA VENKATESAN

UPI ID: arunaschemqmc-2@okicici

GOOGLE PAY No.: 9941568606



UPI ID: arunaschemqmc-2@okicici

Important dates

Conference dates: 24th & 25th, July 2025

Registration timing: 8:15 am - 9:00 am

Last date for Submission of Abstract: 18.07.2025

Last date for Online Registration: 18.07.2025

**Abstract should be submitted to email id:
qmcscienceclub@queenmaryscollege.edu.in**

CALL FOR ABSTRACTS & FULL PAPERS

The title should be written in Times New Roman 14 pts. The abstract is limited to 300 words with maximum 5 keywords. The abstract should be self-contained and written in Times New Roman 12 pts. Paragraph- Line Spacing- Single. File format- Single Page- upload as PDF file. Peer-reviewed full length papers will be published in a reputed Journal after the Conference.

The abstract should be submitted to the email id: qmcscienceclub@queenmaryscollege.edu.in.

All the Research Scholars, Faculty Members and Industry Specialists can present the papers. **Participants can present their research work in any science discipline.**

We request the participants to arrange their own accommodation during the conference.

INAUGURAL ADDRESS FOLLOWED BY SPECIAL PLENARY TALK

Dr. E. Murugan,
FRSC., FASCh.,

Dean - Research & Professor and Head,
Department of Physical Chemistry,
School of Chemical Science,
University of Madras,
Guindy Campus,
Chennai, Tamilnadu.

PLENARY SPEAKERS

Prof. Ing. Jiří Milický,
CSc., EURING.
Professor,
Department of Material Engineering,
Technical University of Liberec,
Czech Republic.

doc. Dr. Mohanapriya Venkataraman
Associate Professor,
Department of Material Engineering,
Technical University of Liberec,
Czech Republic.

Dr. K.G. Subramanian (Retd.)
Professor,
Department of Mathematics,
Madras Christian College, Chennai.
Honorary Visiting Professor,
Liverpool Hope University, UK.

Dr. V. Thangaraj
Former Director & Head,
Ramanujan Institute for Advanced Study in Mathematics,
University of Madras,
Chennai, Tamilnadu.

Dr. Javid Ali
Associate Professor,
Department of Mathematics,
Aligarh Muslim University,
Aligarh, Uttar Pradesh.

Dr. Natesan Yogesh
Assistant Professor,
Department of Physics,
National Institute of Technology,
Calicut, Kerala.

