

Program Schedule

Day 1: 2nd December, 2024

Monday

Venue: Yousef Al Saqer Auditorium

Registration & Inaugural Ceremony

- 8:30 am – 9:00 am Registration and assemble at Yousef Al Saqer Auditorium
- 9:00 am- 9:30 am **Inaugural Ceremony**
Programme briefing: **Prof. T. Pradeep**, Chairman, Organizing Committee (IIT Madras)
Inauguration: **Prof. P. Raveendran**, Honourable Vice Chancellor, University of Calicut, Kerala.
- 9:30 am-9:35 am Hall arrangements

Technical Session 1

Venue: Yousef Al Saqer Auditorium

Chair : **Dr. Resmi M. R.**, Professor, SNGS College, Pattambi

- 9.35 am- 10:20 am *Carboranethiols: Versatile Ligand Platform for Atomically Precise Clusters*
Prof T. Pradeep, Institute Professor, IIT Madras
- 10.20 am – 10.35 am **Group Photograph**
- 10.35 am –10.55 am Tea Break

Technical Session 2

Chair: **Dr. Mohammed Musthafa. T.N**, Head, Department of Chemistry M.E.S. Kalladi College, Mannarkkad

- 10.55 am– 11.30 am *Mimicking Nature: Metal-Organic Frameworks for Solar Fuel Generation*
Prof. Tapas Kumar Maji, Professor,
Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore

11.30 am– 12.10 pm *Tuning the upper cut-off voltage for enabling Co^{3+}/Co^{2+} redox in a P2/P3/spinel composite cathode material for sodium-ion batteries: An in operando study*

Dr. Aiswarya Bhaskar, Senior Scientist, CSIR-Central Electrochemical Research Institute, Karaikudi

12.10 pm – 12.50 pm *Chiral Light Emitting Molecules and Materials*

Dr. Jatish Kumar, Associate Professor, IISER Tirupati

12.50 pm -01.50 pm Lunch Break

Technical Session 3

Chair: Dr. Shinu V. S, Assistant Professor, St. Joseph's College (Autonomous), Devagiri College

1.50 pm – 2:30 pm *The unique Sillen Aurivillius phases as 'self-activating' catalysts for energy harvesting applications*

Dr. Ujjal K Gautam, Associate Professor, Chemical Sciences, IISER-Mohali.

2:30 pm – 3:10 pm *Rationale Design and Synthesis of Macromolecules with Structural Tuneability for Environmental Application: A custom-made approach*

Dr. Mintu Porel, Associate Professor, Indian Institute of Technology Palakkad, Kerala

3:10 pm – 3.50 pm Fundamentals of Pharmaceutical Process Chemistry

Dr. M. V. Nandakumar, Associate Research Director, Syngene International Limited Biocon Park SEZ

3.50 pm – 4:05 pm Tea Break & Poster Evaluation

Technical Session 4

Chair: Dr. Rafeeqe P, Assistant Professor, Department of Chemistry, Farook College (Autonomous), Kozhikode

4:05 pm – 5.05 pm **Oral Presentations**

5.05 pm –5: 30 pm Visit to the campus

7:00 pm – 9:00 pm Conference Dinner

Day 2: 3rd December, 2024

Tuesday

Venue: Yousef Al Saqer Auditorium

Technical Session 5

Chair: Dr. Sindhu S, Professor, Department of Nanoscience and Technology, University of Calicut

9:00 am –9:35 am *Evaluation of the Role of Plastic Crystal as a Piezoresistive Sensor*

Prof. Deepak Chopra, Professor, Indian Institute of Science Education and Research, Bhopal

9:35 am –10:10 am *Green and Sustainable Methods and Materials: Electrochemical sensors and Photocatalysis*

Prof. Sandhya K.Y, Professor, Indian Institute of Space Science and Technology, Thiruvananthapuram

10:10 am –10:45 am *Smart Wearable Sensors: NIIST Story*

Dr Surendran K P, Principal Scientist, CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram

10:45 am –11:00 am Tea Break

Technical Session 6

Chair: Dr. Deepthi Jose, Assistant Professor, Providence Women's College, Calicut

11.00 pm –11:35 pm *Buckling and Defects in Two - Dimensional Atomically Thin Monolayers*

Prof. Ayan Datta, Senior Professor, School of Chemical Sciences, Indian Association for the Cultivation of science, Kolkata, West Bengal

11:35 am –12:10 pm *Saga of sulfones*

Dr. Rajeev S Menon, Professor, Department of Chemistry, University of Calicut

12:10 pm – 12:45 pm *Modulation of Solid-State Photoluminescence through Molecular Structural Control*

Dr.Reji Thomas, Assistant Professor, Department of Chemistry, Farook College, Calicut

Valedictory Session

12.45 pm – 1.15pm Valedictory Function and concluding remarks

1.15pm Lunch Break