

EFCS 2021
29-31 October 2021

Zoom Link:

<https://us02web.zoom.us/j/83107893294?pwd=M1I6YSthaVNqSDIrbE1KMUV6UmRqUT09>

Meeting ID: 831 0789 3294

Passcode: L7Wt7N

Day 1 - 29th October 2021, Friday

Inaugural Session:

9.00 AM: Chief Guest: Prof. N. Sathyamurthy

Honorary Professor and Former Director, Indian Institute of Science Education and Research Mohali, Former President, Chemical Research Society of India.

Honouring: Prof. K. K. Unnikrishnan (Life Time Achievement Award)

Dr. Tania Francis (Young Scientist Award)

Technical Session 1

10.10 AM: The Beginning of Chemistry

Prof. N. Sathyamurthy

Honorary Professor and Former Director, Indian Institute of Science Education and Research Mohali, Former President, Chemical Research Society of India.

10.50 AM: Droplet Synthesis

Prof. T. Pradeep

Indian Institute of Technology Madras

11.30 AM – 11.40 AM: Break

Technical Session 2

11.40 AM: What is so interesting about $MA_{1-y}FA_yPbX_3$

Prof. D. D. Sarma

Indian Institute of Science Bangalore

12.20 PM: Chemically Modified Gold Superatoms

Prof. Tatsuya Tsukuda

University of Tokyo, Japan

1.00 PM – 2.00 PM Break

2.00 PM – 3.15 PM: Poster presentations

Technical Session 3

3.30 PM: Hard-Soft Gate Control to Tune Dynamicity of a Family of MOFs

Prof. R. Vaidhyanathan

Indian Institute of Science Education and Research Pune

4.10 PM: Responsive DNA Nanostructures for Cancer Therapy

Prof. Reji Varghese

Indian Institute of Science Education and Research Thiruvananthapuram

5.00 PM – 5.10 PM: Break

Technical Session 4

5.10 PM – 6.40 PM: Paper Presentations

Day 2 - 30th October 2021, Saturday

Technical Session 5

9.00 AM: Electro spray Gold Standards – Virus like Clusters I - $^{197}\text{Au}_{144-5}$

Prof. Robert Lloyd Whetten

Northern Arizona University, USA

9.40 AM: Interfacial Electrochemical Studies Using Layered Chalcogenides, Transition Metal Nitrides and Carbides

Prof. S. Sampath

Indian Institute of Science Bangalore

10.20 AM: Pb-Free Metal Halide Perovskites

Prof. Angshuman Nag

Indian Institute of Science Education and Research Pune

11.00 AM - 11.10 AM: Break

Technical Session 6

11.10 AM: The Quest for Robust Superhydrophobic Surfaces

Prof. Robin Ras

Aalto University, Finland

11.50 AM: Cavity Catalysis: A New Route to Control Chemical Reactions

Dr. Jino George

Indian Institute of Science Education and Research Mohali

12.30 PM - 1.30 PM: Break

1.30 PM – 2. 45 PM: Poster presentations

Technical Session 7

3.00 PM: Role of the African Academy of Sciences in Promoting Research Partnerships between Global South & North

Prof. Jane Catherine Ngila

The African Academy of Sciences, Kenya

3.40 PM: π -Conjugated Polymers in Energy Applications

Prof. Asha S. K

CSIR - National Chemical Laboratory, Pune

4.20 PM: Computational Modelling of Atomic Clusters

Prof. Anoop Ayyappan

Indian Institute of Technology Kharagpur

5.00 PM – 5.10 PM Break

Technical Session 8

5.10 PM: Precisely Engineered Peptide-Derived Transmembrane Ion Transporters for Enhanced Ion Selectivity

Prof. Nandita Madhavan

Indian Institute of Technology Bombay

5.50 PM: Organocatalysis Using N-Heterocyclic Carbenes (NHCs)

Prof. Akkattu T Biju

Indian Institute of Science Bangalore

6.30 PM: Process Research and Process Development in Agro Chemical Active Ingredient (AI) Development

Dr. Bhanu Manjunath

Director Research and Technology Centre, Syngenta Biosciences Pvt Ltd, Goa

Day 3 - 31st October 2021, Sunday

Technical Session 9

9.00 AM: Total Synthesis of Metallic Molecules

Prof. Jianping Xie

National University of Singapore, Singapore

9.40 AM: Bismuth Halide Perovskites: Organic Spacer Cations Induced Modulation of Optoelectronic Properties

Dr. Vijayakumar C. Nair

CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram

10.20 AM – 10.30 AM Break

Technical Session 10

10.30 AM: Gas Separation Performance of Mixed Matrix Membranes Based on Poly Vinyl Alcohol and Polyhedral Oligomeric Silsesquioxane

Dr. Ranimol Stephen

St. Joseph College Devagiri, Calicut

11.10 AM: Computational Insights on the Unprecedented Catalytic Reactions

Dr. Rositha Kuniyil

Indian Institute of Technology Palakkad

11.50 AM -12.30 PM: Valedictory Session