

Emerging Frontiers in Chemical Science-EFCS 2020
National Conference
04-05 December 2020

Zoom Link: <https://us02web.zoom.us/j/83793906286?pwd=K0dFVGRRyVXVEaXlyVnVucktxRINIQT09>

Day 1, 04-December 2020 Friday

09.15 AM- 10.05 AM: **Inaugural Ceremony**

10.05 AM-10.45 AM: Technical Session 1-Inaugural Talk

Prof. Gautam R. Desiraju, Indian Institute of Science, Bangalore

Topic: Role of state universities and colleges in the context of NEP2020

10.45 AM-11.30 AM: Technical Session 2

Prof. T. Pradeep, Indian Institute of Technology Madras

Topic: Clean water through nanotechnology

11.30 AM- 11.45 AM: Break

11.45 AM- 12.30 AM: Technical Session 3

Prof. Shobhana Narasimhan, JNCASR Bangalore

Topic: The rational design of catalysts

12.30 PM- 1.30 PM: **Lunch Break**

1.30 PM- 2.15 PM: Technical Session 4

Prof. Sameer Sapra, Indian Institute of Technology Delhi

Topic: 2D transition metal dichalcogenide nanosheets: hybrid nano-heterostructures for optoelectronic and catalytic applications

2.15 PM-3.00 PM: Technical Session 5

Dr. Shibdas Banerjee, Indian Institute of Science Education and Research, Tirupati

Topic: Ambient mass spectrometry: from mechanistic organic chemistry to disease diagnosis

3.00 PM- 3.45 PM: Technical Session 6

Dr. T. G. Gopakumar, Indian Institute of Technology Kanpur

Topic: Molecular materials for future electronic devices

3.45PM- 4. 15 PM: Technical Session 7

Dr. Binitha N. N., Sree Neelakanta Government Sanskrit College, Pattambi

Topic: Green graphene nanocomposites for versatile applications.

4.15 PM- 5.15 PM: **Paper Presentations**

Day 2, 05-December 2020 Saturday

Zoom Link: <https://us02web.zoom.us/j/86370982671?pwd=YUdSQUR1N2ZzOTIncEFRNDRQSIM4UT09>

9.30 AM-10.15 AM: Technical Session 8

Prof. Rajakumar Balla, Indian Institute of Technology Madras

Topic: Measurement of absorption cross-sections and kinetics of radicals relevant to the Earth's atmosphere using cavity ring down spectroscopy

10.15 AM-11.00 AM: Technical Session 9

Dr. Pramod P. Pillai, Indian Institute of Science Education and Research, Pune

Topic: Surface ligand directed catalysis by nanomaterials

11.00 am- 11.15 am: **Tea Break**

11.15 AM-12.00 PM: Technical Session 10

Dr. G. V. Pavan Kumar, Indian Institute of Science Education and Research, Pune

Topic: Probing single molecules with gap-plasmons

12.00 PM-12.45 PM: Technical Session 11

Dr. A. I. Yahya, University of Calicut, Kozhikode

Topic: Artificial muscles: materials, technologies and biomimetic properties

12.45 PM- 1.30 PM: **Lunch Break**

1.30 PM-2.15 PM: Technical Session 12

Dr. M. M. Shaijumon, Indian Institute of Science Education and Research, Thiruvananthapuram

Topic: Batteries: beyond Lithium-ion

2.15 PM-3.00 PM: Technical Session 13

Prof. Satish Patil, Indian Institute of Science, Bangalore

Topic: Exciting world of molecular electronics

3.00 PM-3.45 PM: Technical Session 14

Dr. Tania Francis, St. Joseph's College, Devagiri, Kozhikode

Topic: Biodegradable solutions

3.45 PM- 4.15 PM: **Valedictory Session**

4.30 PM- 5.30 PM: Alumni Meet