

EFCS-2019

December 13-15

Programme Schedule

Day 1 : Dec 13 Friday

Registration

9:00 AM 9:30 AM Registration *Library Complex*

Inaugural Ceremony

9:30 AM 10:45 AM Chief Guest: **Padma Bhushan Prof. Padmanabhan Balaram**
Former Director, Indian Institute of Science, Bangalore

Inaugural Address

10:45 AM 11:25 AM Topic: *Chemical Communication in Biology: The Emergence of
Chemical Ecology*

Speaker: **Padma Bhushan Prof. Padmanabhan Balaram**
Former Director, Indian Institute of Science, Bangalore

Tea Break

11:25 AM 11:40 AM Refreshment Area *Left side of Auditorium*

Technical Session 1

Chair: **Prof. K. Koyatty**
EFCS Vision Group Member
Rtd. Professor, Department of Chemistry, Farook College

11:40 AM 12:20 PM Topic: *Clathrate hydrates in interstellar environment*

Speaker: **Prof. T. Pradeep**
IIT Madras

Conference Photo Session

12:20 PM 12:35 PM Photo session *Infront of Auditorium*

Lunch Break

12:35 PM 2:00 PM Food Court *Left side of Auditorium*

Technical Session 2

Chair: **Dr. K. K. Devadas**
EFCS Vision Group Member
Former Head, Department of Chemistry, Malabar Christian

2:00 PM 2:40 PM Topic: *Speed in Chemistry*

Speaker: **Prof. R. Graham Cooks**
Purdue University, USA

Interactive Session

2:40 PM 3:45 PM Topic: *Interative Session with Research Scholars*

Tea Break

3:45 PM 4:00 PM Refreshment Area *Left side of Auditorium*

Technical Session 3

Chair: **Prof. K Muraleedharan**
Professor, Department of Chemistry
University of Calicut

Oral Presentations

4:00 PM 4:45 PM Oral Presentations

Poster Presentation

4:45 PM 6:00 PM Poster Presentation
Venue: *Auditorium*

Dinner

7:00 PM 8:30 PM Conference Dinner *The Raviz resort, Kadavu*

Day 2 : Dec 14 Saturday

Technical Session 4

Chair: **Prof. K. K. Unnikrishnan**
EFCS Core Committee member
Rtd. Proferssor, Department of Chemistry, Farook College

9:30 AM 10:10 AM Topic: *Chemical Selectivity and Micro/Nano Sensors*

Speaker: **Prof. Thomas Thundat**
The State University of New York

10:10 AM 10:50 AM Topic: *Functional Molecular Phase Change Materials:
Critical Role of Oriented Assembly in Strongly Fluorescent Solids*

Speaker: **Prof. T. P. Radhakrishnan**
University of Hyderabad

10:50 AM 11:30 AM Topic: *Hymn of herbs: Searching for panaceas from Western Ghats*

Speaker: **Dr. K. V. Radhakrishnan**
CSIR-NIIST, Trivandrum

Tea Break

11:30 AM 11:45 AM Refreshment Area *Right side of AVT*

Technical Session 5

Chair: **Dr. Yahya A. I**
Head, Deapartment of Chemistry
University of Calicut

Industrial talk

11:45 AM 12:05 PM Topic: *Development of new grade of steel and challenges faced in
Foundry Industry*

Speaker: **Mr. Barundeb Raha**
Peekay Steel Castings (P) Ltd, Kozhikode

12:05 PM 12:45 PM Topic: *Tunable graphene-based membranes*

Speaker: **Dr. Christie Thomas Cheriyan**
Christ University, Bangalore

Lunch Break

12:45 PM 1:45 PM Food Court *Left side of Auditorium*

Technical Session 6

1:45 PM 1:45 PM Chair: **Dr. V. M. Abdul Mujeeb**
Vice Chairman, EFCS
Rtd. Head, Department of Chemistry University of Calicut

1:45 PM 2:25 PM Topic: *Catalytic active site elucidation of supported noble metal nanoparticles using spectroscopic tools*
Speaker: **Dr. Vinod C. Prabhakaran**
CSIR-NCL, Pune

2:25 PM 3:05 PM Topic: *Nanostructured materials for highly efficient solar-thermal conversion and rapid water evaporation*
Speaker: **Prof. C. Subramaniam**
IIT Bombay

3:05 PM 3:45 PM Topic: *Methane Clathrate: One of the most abundant form of fossil fuel is waiting to be tapped!*
Speaker: **Dr. Rajnish Kumar**
IIT Madras

Tea Break

3:45 PM 4:00 PM Refreshment Area *Right side of AVT*

Local Tour

4:00 PM 6:30 PM Local Tour

Dinner

7:00 PM 8:30 PM *Dinner and Cultural Programme, Auditorium*

Day 3 : Dec 15 Sunday

Technical Session 7

9:30 AM 9:30 AM Chair: **Prof. K. M. Abdur Rasheed**
Former Registrar, Kannur University
Rtd. Proferssor, Department of Chemirty, Farook College

9:30 AM 10:00 AM Topic: *The alternative CO₂-solvent platform for chemical industry*
Speaker: **Dr. P. Raveendran**
University of Calicut

10:00 AM 10:30 AM Topic: *Ultrafast Excited State Dynamics of Twisted Aromatics*
Speaker: **Dr. Mahesh Hariharan**
IISER, Trivandrum

Tea Break

10:30 AM 10:50 AM Refreshment Area *Right side of AVT*

Valedictory Session

10:50 AM 12:30 PM Chief Guest: