

INAUGURATION

PROF. FRANCESCO STELLACCI

Institute of Materials Interfaculty Bioengineering
Institute, Lausanne, Switzerland

Organised by





POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

FAROOK COLLEGE (AUTONOMOUS)

Farook College, Kozhikode, Kerala, India - 673 632.

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INAUGURATION















WELCOME SPEECH: **Dr. A.P KAVITHA** (HEAD DEPT OF CHMISTRY, FAROOK COLLEGE)





PRESIDENTIAL ADRESS: Prof. T. PRADEEP (CHAIRMAN EFCS)









PRINCIPAL'S ADDRESS**: Dr. K.A. AYSHA SWAPNA** (PRINCIPAL, FAROOK COLLEGE)











INTRODUCING PROF. FRANCESCO STELLACCI: **Dr. T. SHALINA BEGUM** (JOINT CONVENER, EFCS)



INAUGURAL ADDRESS: **Prof. FRANCESCO STELLACCI** (INSTITUTE OF MATERIALS INTERFACULTY BIOENGINEERING INSTITUTE, LAUSANNE, SWITZERLAND)











ADORING PONNADA TO **Prof. FRANCESCO STELLACCI** Janab **P. K. AHAMED** (PRESIDENT MANAGING COMMITEE)



HONORING **Prof. T. PRADEEP** (CHAIRMAN EFCS) **Dr. K. A. AYSHA SWAPNA** (PRINCIPAL FAROOK COLLEGE)





RELEASING BOOK OF ABSTRACT JANAB C. P. KUNHIMOHAMMED (MANAGER FAROOK COLLEGE)





DECLARATION OF LIFE TIME ACHIEVEMENT AWARD, 2023 **Prof. V. M. ABDUL MUJEEB** (VICE CHAIRMAN EFCS)





HONORING **Dr. NYGIL THOMAS Prof. E. P. IMBICHIKOYA** (FORMER PRINCIPAL FAROOK COLLEGE)

REPLY SPEECH BY **Dr. NYGIL THOMAS**



FELICITATIONS: Dr. ALI FAIZAL (JOINT SECRETARY, MANAGING COMMITTEE)



FELICITATIONS: **Prof. E.P IMBICHIKOYA** (FORMER PRINCIPAL, FAROOK COLLEGE)



VOTE OF THANKS: **Mr. SHANVAS YOOSUF** (GENERAL COORDINATOR, EFCS 2023)







TECHNICAL SESSION 1 DAY 1





Atomically Precise Matter
Prof. T. PRADEEP
(Indian Institute of Technology Madras)











TECHNICAL SESSION 2





Metal Phosphate Rings, Chains, Cages, and Layered Materials: Energy Applications

Prof. R MURUGAVEL

(Indian Institute of Technology Bombay)





Supercapatteries

- Supercapacitors known for their su with lower energy density.
- Development of hybrid supercapa unification of non-Faradic electric with the Faradic battery-type elec
- EDLC acts as an anode providing I materials act as a cathode deliver
- Supercapatteries are capable of parent es

double layered capacitors, psei

J. Power So Chem. Soc

Inorganic Materials for Energy Storage
Prof. G. RANGA RAO
(Indian Institute of Technology Madras)













PANEL DISCUSSION



Alumni Engagement for Strengthening Higher Education







Prof. V.M ABDUL MUJEEB (Vice Chairman, EFCS, Rtd. Head, Department of Chemistry University of Calicut)



Prof. MUHAMMED BASHEER UMMATHUR (Principal, KAHM Unity Women's College, Manjeri)



Dr. P.K. HASHIM

(Asst. Professor, Research institute for Electronic Science, Hokkaido University, Japan)



Mr. E. K. ABDUL LATHEEF
(Quality Assurance Manager, Al Wahaat Drinking Water Industry, Qatar)



Mr. THABASSUM A. NATTIKALLUNGAL (Research Scholar, University of Southern California, Los Angeles, USA)







2D Materials-Based Smart Membranes and Their Applications
Prof. RAHUL RAVEENDRAN NAIR
(University of Manchester)





Carbon and Water Recycling for Sustainable Energy: A Journey from Fundamental Chemistry to Green Technologies

Prof. SEBASTIAN PETER

(Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore)

ORAL PRESENTATIONS





Heterocyclic compounds make up a major portion of nat biologically active compounds.





THAI YOU









INTERACTIVE SESSION







































DAY 2 TECHNICAL SESSION 5



Stabilising Gold in non-Cubic Crystal Structures **Prof. G.U. KULKARNI**(Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore)



(Car)borane Cluster Molecules in Self-Assembly on Flat and Colloidal Metal Surfaces

Institute

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eening Institute, Laus

re in silent...

Prof. TOMAS BASE

(The Czech Academy of Sciences, Czech Republic)





Light-Induced Self-Assembly in Precision Noble Metal Nanoclusters: New Directions and Applications **Dr. SHIBU SIDHARTH** (University of Calicut)

TECHNICAL SESSION 6



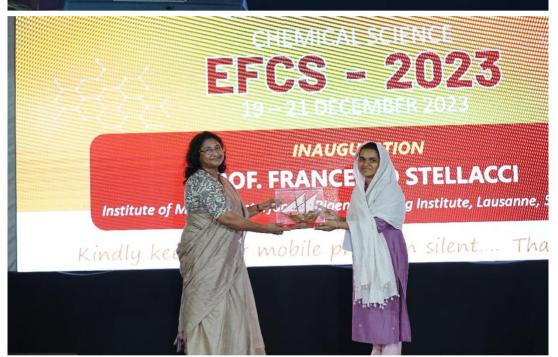
Structural Design in Atomically Precise Silver and Copper Nanoclusters

Prof. SUKHENDU MANDAL

(IISER Thiruvananthapuram)



- Recently natural biopolymers based on plant exudat interest because of its properties such as stabilising exudates are extensively used in the synthesis of nan
- Major functional groups identified in thegum ar carboxylic groups.
- There is a growing attention to the nanotoxicology to nanoparticles recently due to their wide uses



Synthesis of Biogenic Nanoparticles Incorporated Bionanocomposites and Its Applications **Dr. BINI GEORGE** (Central University of Kerala, Kasaragod)

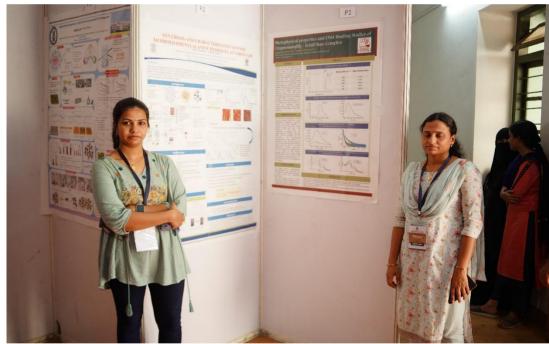
POSTER PRESENTATION



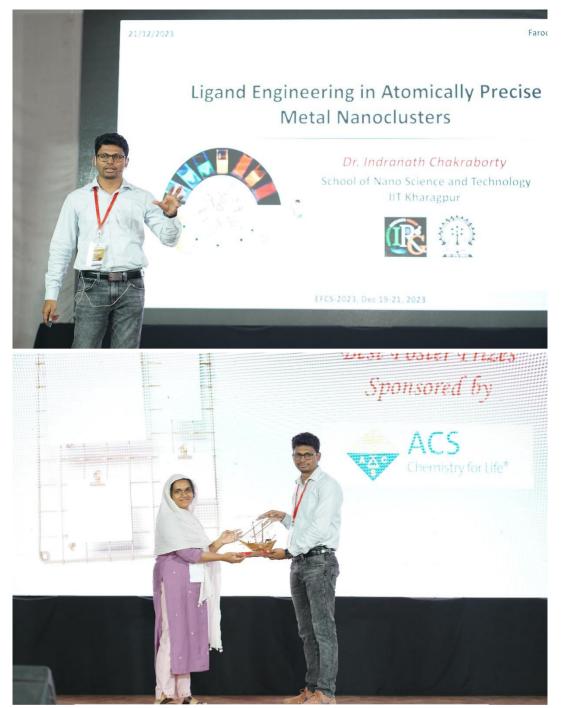




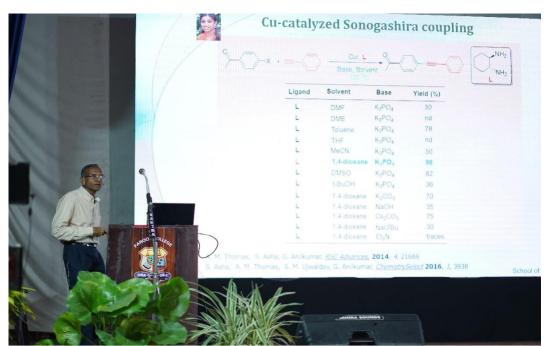




TECHNICAL SESSION 7



Ligand Engineering in Atomically Precise Metal Nanoclusters **Dr. INDRANATH CHAKRABORTY** (IIT Kharagpur)





Transition Metal Catalysis for Heterocycle synthesis
Prof. G. ANILKUMAR
(MG University)

NOVEL BREAST CANCER MODELS

Bridging Preclinical-Clinical Boundaries





Seeing Nanoscale Assemblies in 3D **Prof. N. NONAPPA** (Tampere University, Finland)





Exploring the Multiple Conformational States of RNA Genome through Network Analysis.

Dr. DEBASHREE CHAKRABORTYNITK Surathkal

CULTURAL PROGRAMME

































DAY 3 TECHNICAL SESSION 8





Interfacial Tension Induced Morphology Tuning of Polymer Nanomaterial Composites at the Liquid-Liquid Interface

Dr. MINI MOL MENAMPARAMBATH

(NIT Calicut)





Heterogenous Catalysis; Challenges and Oppurtunities in Methanol Synthesis, Oxygen Evolution Reaction and Oxygen Reduction Reaction **Dr. NYGIL THOMAS**

(Nirmalagiri College Kuthuparamba)





Advanced technologies of secondary refining and 3D Printing Technology in High Quality Casting and Manufacturing

Dr. NITHIN RAJ

(Manager R&D, Pee kay Steel Castings (P) LTD)

VALEDICTORY SESSION





























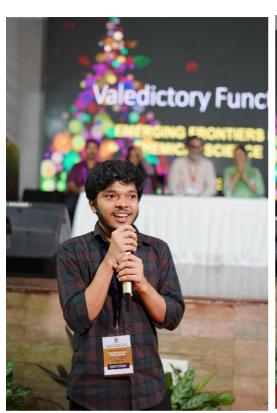


























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