



Science Academies' Refresher Course on 'Molecules and Materials for Applications in Synthesis and in Devices'

at

Department of Chemistry, Saiva Bhanu Kshatriya College
(Ranked 56th at National Level in NIRF 2017 by MHRD)
Aruppukottai 626 101, Tamil Nadu, India

7–20 May 2018

Sponsored by

Indian Academy of Sciences, Bengaluru
Indian National Science academy, New Delhi
The National Academy of Sciences India, Allahabad

Applications are invited for participation in a two-week (14 days) refresher on 'Molecules and Materials for Applications in Synthesis and in Devices' to be conducted at Department of Chemistry, Saiva Bhanu Kshatriya College, Aruppukottai 626 101, Tamil Nadu, India. The candidates who are actively engaged in teaching Chemistry/Physics/Materials Science/Nanoscience, courses at undergraduate and post-graduate levels (B.Sc./M.Sc. and at research) in colleges/universities are eligible to apply.

Topics: This thematic cluster focusses on the design and synthesis of novel molecules, macro- and supra-molecular assemblies and functional materials with a wide range of applications in the fields of energy, health sustainability and light emitting devices. Researchers in this cluster investigate the relation between the structure of advanced materials, such as polymers and multi-materials and their functional performance. The refresher course will discuss mainly fundamental principles and theories for understanding organic electronics materials and devices; also provides information about state-of-the-art technologies, applications and future prospects. These topics encompass physics for organic transistors, structure control technologies of polymer semiconductors, nanomaterials electronics, organic solar cells, organic electroluminescence, liquid semiconductors and dynamics for excitation, among others. This refresher course will help researchers to be able to contribute to society with the technologies and science of organic electronics materials in the future.

Teachers/research scholars who wish to participate should send a short letter explaining their reasons for wanting to participate, along with brief curriculum vitae (including name, date of birth, gender, educational qualifications, teaching experience, typical courses taught, positions held, postal and e-mail address, and contact numbers). A total number of 35 candidates will be selected for participation in the course. The candidates if selected shall be required to get themselves officially relieved by their host institute. Interested applicants must submit their application ONLINE by clicking on the following link:

<http://web-japps.ias.ac.in:8080/Refreshcourse/SBK.jsp>

Course Director: Prof. M. Periasamy, FASc, FNA, JC Bose National Fellow, Bhatnagar Awardee, School of Chemistry, University of Hyderabad, Hyderabad 500 046. A printed copy of the application approved by the Head of the Institution to be sent to the Course Coordinator: **Dr T. Subramanian**, M.Sc., Ph.D., Assistant Professor, Department of Chemistry, Saiva Bhanu Kshatriya College, Aruppukottai 626 101, Virudhunagar, Tamil Nadu, Ph.: 83007 76835, e-mail: chemsubbu84@gmail.com.

Selected participants will be provided local hospitality. Outstation participants will be reimbursed round trip 3-tier train fare (shortest route) from place of residence. Participants are expected to stay for the full duration of the course. Last date for receipt of application: **30 April 2018**.