

### **ABOUT THE INSTITUTION**

Mepco Schlenk Engineering College (Autonomous), Sivakasi is one of the leading institutions in India, towering high in academic excellence and research pursuits ever since its inception from 1984. This technical institution is sponsored by Mepco Schlenk Charities, Thirumangalam. It has collaborations with leading industrial, academic and research organizations in India and abroad. It is ISO 9001:2008 certified and all engineering courses are accredited by NBA. Our college is accredited with "A" Grade by National Assessment and Accreditation Council (NAAC) of UGC, New Delhi. As of now 104 Sponsored Research projects undertaken by our faculty members from AICTE, CSIR, ARDB, DST, IGCAR, BRNS, ISRO, TIFAC, DRDL and MSME.

### **ABOUT THE DEPARTMENT**

The Department of Physics was established in the year 1984. It is one of the supporting departments to all UG courses and it is offering Engineering Physics, Materials Science, Applied Materials Science and Physics of Materials. Our department is a recognized Research Center for pursuing PhD/MS degree by Anna University, Chennai. The department has received 1.24 crores from funding agencies like DST, BRNS, CSIR, INMAS, DRDO & IGCAR for pursuing research.

### **ABOUT THE WORKSHOP (Day 1 and 2)**

The main objective of the workshop is to provide a platform for the young researchers and students to know about various material synthesis and processing techniques. The two day workshop will cover lectures and experimental sessions on selected topics in materials science. The workshop will cover various synthesis procedures like hydrothermal, microwave assisted, organic etc. The participants will also know about characterization techniques like (XRD, Microanalysis, chemical analysis, optical and magnetic, etc.). In addition, participants will be given opportunity to exhibit their research results through poster presentation. The workshop is also useful for the young scholars and students to interact with scientists from leading institutes like IGCAR, Kalpakkam.

### **ABOUT THE SEMINAR (Day 3)**

This seminar brings an exposure to the school students about electron microscopy. The seminar presents theory of electron microscope, especially scanning electron microscope and its application in materials science field. The seminar also covers experimental demonstration of scanning electron microscope for analyzing and imaging the sample. This seminar is exclusively for school students who are pursuing higher secondary education. There is no registration fee and school students must bring the bonafide certificate from their head of the institution. Students who are willing to attend the seminar must confirm their participation on or before 28<sup>th</sup> December 2018 through their schools.

### **ORGANIZING COMMITTEE**

#### **Chief Patron**

Thiru. A. Tenzing,  
Correspondent

#### **Patron**

Dr.S.Arivazhagan, Principal

#### **Convener**

Dr.A.Marikani, Professor and Head, Physics

#### **Coordinators**

Dr. S.Ravi, AP (Sr. Grade), Physics

Mr.F.Winfred Shashikanth, AP (Sr. Gr.), Physics

Dr.P.Raji, AP (Sr. Grade), Physics

Mr.C.Senthilkumar, AP (Sr. Grade), Physics

Mrs.C.T.Anuradha, AP (Sr. Grade), Physics

Dr.B.Karthikeyan AP (Sr. Grade), Physics

### **IMPORTANT DATES**

- ⇒ Submission of full paper :  
17.12.2018
- ⇒ Accepted paper Intimation :  
21.12.2018
- ⇒ Receipt of Camera-Ready  
paper with registration fee :  
28.12.2018

### **Contact Address**

The Convener- MSC 2019,  
Department of Physics,  
Mepco Schlenk Engineering College,  
Mepco Engineering College Post,  
Sivakasi-626005, Virudhunagar District,  
Phone: 04562-235690, 235691, Fax: 04562-  
235111  
E-mail: [mescmepco2018@gmail.com](mailto:mescmepco2018@gmail.com)  
Website: [www.mepcoeng.ac.in](http://www.mepcoeng.ac.in)

### Registration Form

*Two-Day Workshop on*

## **MATERIALS SYNTHESIS AND CHARACTERIZATION (MSC 2019)**

**January 3<sup>rd</sup> & 4<sup>th</sup>, 2019**

**MSEC, Sivakasi**

**Please mail the completely filled-in form along with DD.**  
*(For multiple registrations use photocopies of this form)*

Name :

Designation :

Organization :

Address :

Phone :

E-mail :

Registration Details

DD No. /Date :

Bank :

Accommodation required : Yes/No

**Please send completed registration form along with the DD to the following address by 28<sup>th</sup> December 2018**

**Dr.A. Marikani, Convener, MSC 2019**

Department of Physics

MEPCO SCHLENK ENGINEERING COLLEGE

Sivakasi - 626005

Virudhunagar District, Tamil Nadu

### **Resource Persons:**

Speakers include Scientist from DAE-BRNS and Professors from premier R&D institutions with several years of experience in the field.

Dr. M.Kamruddin, Associate Director, MSG, IGCAR, Kalpakkam.

Dr. G.Mangamma, Head, SND, MSG, IGCAR, Kalpakkam.

Dr. T.N. Sairam, IGCAR, Kalpakkam.

Dr. B.Sundaravel, IGCAR, Kalpakkam.

Dr. B. Subramanian, CECRI, Karaikudi.

### **TOPICS TO BE COVERED**

Synthesis of materials using chemical route, Characterization of materials using XRD and micro analysis, Optical and magnetic material characterization technique

### **Registration Fee:**

DAE Delegates : FREE

Research Scholars & PG students

: Rs. 500/-

Faculty Members

: Rs. 750/-

Participants from Industry and R&D Labs: Rs. 1000/-

Registration fee includes proceedings, lunch and refreshments for two days and a participation certificate.

**DD should be in favour of "Mepco Schlenk Engineering College, Sivakasi" payable at Sivakasi. The filled-in registration forms along with DD should be sent to the following address by 28<sup>th</sup> December 2018.**

**Only limited seats are available. Registration will be based on first-come-first serve basis.**

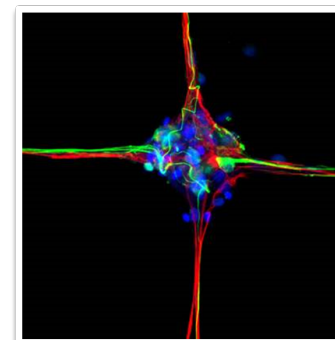
Accommodation can be arranged in our Hostel on request on payment basis (Rs.100/- per day per participant)

### **Who can attend?**

Faculties, research scholars, PG students and others working in the area of materials synthesis and characterizations can attend the workshop.

## **BRNS SPONSORED**

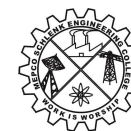
## **Two-Day Workshop on MATERIALS SYNTHESIS AND CHARACTERIZATION (MSC 2019)**



**January 3<sup>rd</sup> & 4<sup>th</sup>, 2019**

**&**

**One-day seminar on  
Electron Microscopy  
for school students  
(5<sup>th</sup> January 2019)**



Organized By

**Department of Physics,**

**Mepco Schlenk Engineering College,  
Sivakasi- 626005  
Virudhunagar District  
Tamil Nadu**