

### *Invited Speakers*

1. **Dr. Shubhadip Chakraborty**  
Department of Inorganic & Physical Chemistry,  
Indian Institute of Science, Bangalore.
2. **Dr. Anindita Das**  
Department of Inorganic & Physical Chemistry,  
Indian Institute of Science, Bangalore.
3. **Dr. K. Balamurugan**  
Department of Physics,  
National Institute of Technology, Trichy.
4. **Dr. R. Karthik**  
Solid State and Structural Chemistry Unit,  
Indian Institute of Science, Bangalore.
5. **Kamini Mishra**  
Solid State and Structural Chemistry Unit,  
Indian Institute of Science, Bangalore.

### *Registration*

Faculty/Researchers/PG&UG students interested to attend the workshop have to confirm their participation by e-mail to **phywfms2016@gmail.com** along with the duly filled Registration form in the prescribed format on or before 18<sup>th</sup> Aug 2016. The details of registration fee are

Students: Rs. 250/-

Faculty : Rs. 300/-

The registration fee includes workshop kit, certificate of participation, working lunch and refreshments. Registration fee is payable in advance by Demand Draft drawn in favor of **“The Principal, Sacred Heart College (Autonomous)”** payable at Tirupattur. The DD along with the registration form should reach the convener on or before 18 Aug 2016.

**Only 100 outside participants will be admitted. Participants will be selected on “first come first serve basis”.** No TA/DA would be provided for the participants.

### *Important Dates:*

Last date for the submission of Registration form  
: 16 Aug 2016

Intimation of acceptance (by e-mail) : 18 Aug 2016

### *Workshop on Functional Materials and Spectroscopy [WFMS-2016]*

### **REGISTRATION FORM**

**Name :**

**Staff/Student :**

**Gender:**

**Institution :**

**Address :**

**Phone No. :**

**Email :**

**D.D. No. :**

**Date :**

**Any other details:**

**Signature**

### *Contact*

**Mr. R. Ramesh & Mr. N. Madhavan**

PG & Research Department of Physics

Sacred Heart College (Autonomous)

Tirupattur-635 601

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### *Workshop on Functional Materials and Spectroscopy (WFMS-2016)*

**23<sup>rd</sup> Aug 2016**



*Organized by*

**PG & Research Department of Physics**

**Sacred Heart College (Autonomous)**

**Tirupattur – 635601**

**Vellore District**

### About the College:

Sacred Heart College is an affiliated First Grade College of Thiruvalluvar University. It is a minority institution, established and administrated by the Salesians of Don Bosco. The first care of the management is to give higher Education to the catholic youth in a christian atmosphere of peace, justice and social responsibility with a preferential option for the poor among them.

Rev. Fr. Joseph Carreno, a far-sighted Salesian missionary from Spain founded Sacred Heart College in the year 1951. It started functioning with 10 teachers and 81 students and in a short period of six decades, it has grown into a postgraduate and research institution. With the view to cater to the needs of the deserving local students, the college also offers undergraduate courses and postgraduate courses in the second shift on self-financing basis.

As a glowing tribute to academic excellence, the University Grants Commission conferred autonomous status for aided courses to experiment innovation in curriculum formation, teaching and learning, conduct of examination and to enhance intensive knowledge. In 2007, all the courses including those of the second shift came under autonomy. Twenty nine years of autonomy has opened better doors for quality education.

The college has been reaccredited with "A" Grade with 3.43 points (CGPA on a 4 point scale) by NAAC, the oldest and long standing autonomous college being affiliated to Thiruvalluvar University, Vellore. The college is now working towards greater excellence in teaching and research. The college also publishes a bi-annual research journal titled "Sacred Heart Journal of Science and Humanities" which features research articles contributed by researchers all over the country with ISSN 2277-6613.

### About the Department:

The department of Physics in Sacred Heart College was established in 1968. From the humble beginning, it has grown in leaps and bounds to stand tall today, offering B.Sc., M.Sc., M. Phil. and Ph.D. programmes in Physics. The PG Physics programme was started during the academic year 2001-02 and the department became a full-fledged research department during the academic year 2007-08. So far the department has produced more than 150 M. Phil. scholars. Presently there are 16 dedicated teaching staff and 5 committed non-teaching staff in the department. There are 4 research guides under whom 15 research scholars have registered for their Ph.D. degree. The areas of research being carried out in the department are nanostructured materials, crystal growth and characterization, thin films and spectroscopy.

The department has been organizing national/international conferences/symposia with the help of funding from various funding agencies like UGC, CSIR, TNSCST etc apart from the generous fund from the management. Currently a research project funded by DAE-BRNS to the tune of Rs 20 Lakhs is in progress. In addition to the materials research laboratory in Abraham Panampara Research Centre (APRC) exclusively for our M.Phil and Ph.D scholars, the department is also equipped with the state of the art analytical instruments such as UV-Vis Spectrophotometer, Impedance Analyzer, FTIR Spectrophotometer and Photoacoustic Spectrometer to encourage our students to take up research as a career. The department continues to strive for excellence with a talented and vibrant group of staff and students.

### Objectives of the workshop:

- 1) To provide a forum for teachers, research scholars and students to interact and exchange their findings on some of the recent research areas in functional materials and spectroscopy.
- 2) To kindle hope and confidence in the young students in bringing forth useful innovative ideas to meet the challenges in the days to come
- 3) To inspire and motivate the participants to pursue higher education in research and to update their knowledge in current fields of research.

### Convener:

Dr. M. Jose

### Co-ordinators:

Mr. C. Thirupathy

Rev. Fr. G. Theophil Anand

### Organizing Committee:

Dr. A. Albert Irudayaraj

Mr. D. Daniel Lawrence

Mr. M. Aravinthraj

Ms. S. Kalaiarasi

Mr. R. Ramesh

Mr. D. Rajkumar

Dr. A. Dhayal Raj

Mr. N. Madhavan

Dr. S. A. Martin Britto Dhas

Mr. G. Jayakumar

Mr. D. Magimai Antoni Raj

Mr. L. Anandaraj

Mrs. T. Anitha