

PROGRAMME 4th March 2020

- 08.30 am : Registration
9.00 am : Inauguration
- Prayer Song
Welcome Address : **Dr. I. ARUL RAYAPPAN**
Convenor - IWFM2020
- Honoring Guests
Felicitations : **Rev. Dr. LEONARD FERNANDO, S.J.**
Rector
Rev. Dr. S. PETER, S.J.
Secretary
- Presidential Address: **Rev. Dr. M. AROCKIASAMY XAVIER, S.J.**
Principal
- Chief Guest &
Keynote Address : **Prof. S. Arumugam**
Founder Chairman & Secretary, MRSI-Trichy Chapter
Chair-School of Physics, Bharathidasan University
- 9.45 am : Technical Session I
Title : "In-situ x-ray observation of synthesizing process
for transition-metal pnictides under high
pressure and high temperature".
- Resource person : **Prof. CHIHIRO SEKINE**
Graduate School of Engineering
Muroran Institute of Technology
27-1 Mizumoto-cho, Muroran 050-8585, Japan
- 10.30 am : Technical Session II
Title : THE WONDERFUL WORLD OF OXIDES
- Resource person : **Prof. R. SURYANARAYANAN**
Retd. Sr. Scientist, University of Paris, Orsay, France
- 11.15 am : Tea Break
- 11.30 am : Technical Session III
Title : NANOMATERIALS SYNTHESIS,
CHARACTERIZATION AND APPLICATION IN DYE
SENSITIZED SOLAR CELLS
- Resource person : **Dr. OLUWASEUN ADEDOKUN**
Department of Pure and Applied Physics,
Ladoke Akintola University of Technology,
Ogbomoso, Nigeria.
- 12.30 pm : LUNCH
- 2.00 pm : Visit to Centre for High Pressure
Research Lab., Bharathidasan University

International Workshop on Functional Materials

4th March 2020

**Venue : SAIL Auditorium
St. Joseph's College (Autonomous)
Tiruchirappalli - 2, Tamil Nadu**

Jointly Organised By



**PG & RESEARCH DEPARTMENT OF PHYSICS
SCHOOL OF PHYSICAL SCIENCES
St. JOSEPH'S COLLEGE (Autonomous)**
Special Heritage Status awarded by UGC, Accredited at 'A++' Grade (4th Cycle) by NAAC
College with Potential for Excellence by UGC, DBT - STAR & DST - FIST sponsored College
TIRUCHIRAPPALLI - 620 002, INDIA



**MATERIAL RESEARCH
SOCIETY OF INDIA (MRSI)**
Trichy Chapter

All Are Invited

ABOUT THE INSTITUTION

St. Joseph's College established in 1844 by the Jesuits, members of one of the best-known Catholic religious orders it has rendered 175 years of remarkable service, not merely to students from Tamil Nadu but also from States of India. St. Joseph's College is an affiliated First Grade College of the Bharathidasan University. It was affiliated to the Madras University in 1869. The college celebrated its centenary in 1944, sesquicentenary in 1995 and acquired the Five Star status, awarded by NAAC in 2000. It was recognised by UGC as a College with Potential for Excellence in 2004, reaccredited by NAAC with A' grade in 2006, accredited again by NAAC at A grade in 2012 and accredited with A++ grade by NAAC in the 4th Cycle in 2019. The college celebrates 176 years of its inception this year. It is the only college in South India with the Special Heritage Status recognized by the UGC in 2015, a glorious feather on the crown of the St. Joseph's. The DBT-Star College status is yet another important recognition for the educational excellence of our college. The college stands in the 28 position in National Institutional Ranking Framework (NIRF) by the MHRD of India in 2018. The late Hon'ble Dr. A.P.J. Abdul Kalam, an Aerospace Scientist who became the President of India, did his B.Sc Physics at this college.

ABOUT THE DEPARTMENT

The growth and development of the Department of Physics, one of the earliest departments of the College, is as follows: BA Physics Course was started in 1881. BSc (Hons) Physics Course was started in 1906 at SJC, the only College to offer it outside Madras City for nearly 40 years. MSc Physics Course was started in 1961. A new nomenclature was offered to the hitherto BA Physics as BSc Physics Course in 1930 and an additional section was added in 1963. BSc Physics Course was started in Shift-II in 1982. Recognition was offered by the University of Madras for research work leading to PhD Degree in 1971. MPhil Degree course was introduced in 1977. The Department of Physics has been the nucleus for starting two UG, two PG (Computer Science and Electronics) and two PG Diploma Programmes.

About Materials Research Society of India (MRSI)

Materials Research Society of India (MRSI) was established in 1989 with Bharat Ratna Prof CNR Rao as the Founder President. This society is interdisciplinary in nature by covering various fields of Materials Science and Engineering in India. Currently, the MRSI is headed by Dr S. B. Krupanidhi, Indian Institute of Science, Bangalore. The MRSI is committed to stimulate, integrate and facilitate research activities in the broad areas of Materials Science and Engineering in the country. It is also committed to involve industries to participate and develop various useful products indigenously. Hence, the main objectives of the MRSI meetings are to promote advancements in Materials Science research, to share recent developments and innovations, and to establish active interactions among scientists, technologists, engineers and other researchers engaged in basic or applied research in India.

ABOUT MRSI - TRICHY CHAPTER

The Trichy chapter was approved by MRSI head quarters in November 2015. Prof. S. Arumugam has been nominated as the Chairman of MRSI - Trichy Chapter on 12th November 2015. The chapter was inaugurated on 28th January 2017. The Trichy chapter covers southern part of Tamil Nadu which includes Tiruchirappalli, Karur, Thanjavur, Salem, Pudukkottai, Nagapattinam, Dindigul, Madurai, Coimbatore, Kanniyakumari, Tirunelveli, Namakkal, Ariyalur, Perambalur, Thoothukudi, Ramanathapuram, Theni and Sivagangai districts and till date 120 life members have been enrolled.

ABOUT THE IWFM-2020

International Workshop on Functional Materials-2020

Functional Materials are at the heart of many technological developments that touch our lives and find applications such as Electronic Materials for communication and Information Technology, Biomaterials, Sensors, Nano Materials for renewable energy and more.

PARTICIPANTS

Participants can register through online and attend the workshop through web. Web link and password will be provided to the registered participants by the organizers. Participants attendance will be monitored through web for entire program.

ORGANISING COMMITTEE

Chief Patron : **Rev. Dr. Leonard Fernando SJ**, Rector
Patron : **Rev. Dr. S Peter SJ**, Secretary
Chairman : **Rev. Dr. M. Arockiasamy Xavier SJ**, Principal
Convener : **Dr. I. Arul Rayappan**, Head & Associate Professor of Physics
Co-Convener : **Prof. S. Arumugam**, Founder Chairman & Secretary,
MRSI - Trichy Chapter

Organizing Secretary: **Dr. J. Charles**, Asst. Professor of Physics
Jt. Organ. Secretary: **Dr. S. Lourduraj** Assistant Professor of Physics

MEMBERS

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Mr. S. Dominique	Dr. P. Christuraj
Ms. A. Maggie Dayana	Dr. A. Leo Rajesh
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