ABOUT THE INSTITUTION

St. Joseph’s is an autonomous college of the Bharathidasan University, Tiruchirappalli, located in the central part of Tamil Nadu, South India. It was established in 1884 by the Society of Jesus (The Jesuits). The motto of the college is "For the Good and the True". The college celebrated its centenary in 1944, sesquicentenary in 1995 and octocentenary in 2015. The college was recognized by UGC as a College with Potential for Excellence (CPE) in 2004 and 2014. NAAC has reaccredited the college at the highest "A+ Grade (Cycle-V)" in 2019 and is ranked as 277th position in NIRF of 6th edition (2023) under college category. St. Joseph’s is the only college in Tamil Nadu that has been awarded with special Heritage Status by UGC. The college trains young men and women of quality to be leaders in all walks of life so that they serve the people of the Nation in truth, justice and love. Accordingly, this college strives to be an agent of social change, by incorporating the scientific and technological growth in its US, PG and Research (M.Phil/Ph.D.) programmes.

ABOUT THE DEPARTMENT

This century-old Department of Physics started B.A. Physics (1931), B.Sc (1938), M.Sc (1939), M.Sc Physics (1946), Ph.D. (1971) and M.Phil (1977). Other than its own evolution, it had given birth to two departments, Computer science (1993) and Electronics (1993) in the college. To cater the needs of the students, BSc and MSc (Physics) programmes in Self-finance section (shift II) were established in 1992 and in 2004 respectively. Presently there are 31 faculties and 9 non-teaching staff in the department. The department is constantly developing with the continuous support of management and the funding of UGC, DST-RIST, DST-SERB, DRDO and CSIR. The department had established national and international collaboration in many fields of research in recent years and organizes symposia and conferences periodically at all levels to ignite the students with scientific spirit. Over a period of 140 years, the alumni of the department have served and are still serving the nation in various capacities. Notable among them are Bharat Ratna, Dr. APJ Abdul Kalam, the former President of India and Dr. G N Ramachandran, an Indian Physicist who was known for his work, "The Ramachandran Plot" for understanding peptide structure, nominated for nobel prize (Doctoral student of Nobel laureate Sir C.V. Raman).

OBJECTIVES OF THE CONFERENCE

Material Science is a multi disciplinary branch of science and technology, investigates the relationship between the structure of materials and their micro/macrosopic properties. In recent years with significant focus on Nano Science and Nanotechnology, Material science becomes a more significant field of science and engineering. The aim of the conference is to provide a platform for researchers to share their knowledge and expertise with other researchers of the field to meet to get exposure to the latest developments in the field of material science from scientists and experts.

FOCUS AREA OF THE CONFERENCE

This conference focuses on the latest developments on the advanced materials such as Nanomaterials, 2D materials, Advanced ceramics, Composite materials, Laser Materials, Advanced Ceramics, Advances in Nano Materials, Advanced Energy Materials, Organic materials, Bulk Metallic Glasses, Metal matrix composites, Advanced electronic materials, etc.

CALL FOR PAPERS

The organizing committee invites papers in the above mentioned thrust areas from faculty, research scholars and industrialists. The abstract and full paper as soft copy (Ms-Word - Arial, 12pt & 1.5 line spacing) have to be sent to the email sjicism2022@gmail.com. Registrations can be done at the college website www.sjicism2022.com on or before 21-1-2022. Peer-reviewed articles will be published in indexed journal*. Best paper presentation (oral/poster) will be judged and awarded.

ACCOMMODATION

The participants are requested to make their own arrangements for accommodation. A number of hotels are located in and around the campus.

ORGANISING COMMITTEE

Chief Patron: Rev. Dr. Leonard Fernando, SJ, Rector, St. Joseph’s College
Patrons: Rev. Dr. S. Peter SJ, Secretary, St. Joseph’s College
Chairman: Rev. Dr. M. Archockasamy Xavier SJ, Principal, St. Joseph’s College
Convenors: Dr. N. Ram, Head, Department of Physics
Co-Convenors: Dr. S. Alfred Cecil Raj, Associate Professor of Physics & Ctrl. of Exam. Organising Secretary: Dr. A. Leo Rajesh, Assistant Professor of Physics
Organising Secretary: Dr. R. Jerald Vijay, Assistant Professor of Physics

Papers Submission: January 28, 2022
Acceptance Notification: February 4, 2022
Last date for Registration: February 7, 2022

EXECUTIVE COMMITTEE

Mr. R. Jerald Vijay
Mr. A. Leo Rajesh
Mr. A. Mathan
Mr. A. Santhosh
Mr. A. P. Rajkumar
Mr. A. Priyadarshini
Mr. A. Vijayan

SCIENTIFIC AND TECHNICAL ADVISORY COMMITTEE

Dr. John V Kennedy, Principal Scientist, GNS, New Zealand
Dr. B. Venkataraman, Director, ICGAR, Kollur
Dr. P. Ramasamy, Professor, University of Madras
Dr. G. Subramanian, Dean, St. Peter's University, Chennai
Dr. V. Ganesan, Former Centre Director, UGC-DAE CSR Indore
Dr. A. K. Emami, Professor, IIT Bombay
Dr. D. S. Lawrence, Selvaraj, Inst. Microelectronics, Singapore
Dr. C. Justin Raj, Associate Professor, Dmgk University, Seoul
Dr. T. Joseph Sahaya Arun, Assoc. Prof., University of Malaysia
Dr. A. Manoharan, Scientist, CECIL, Karaikudi
Dr. N. Vijayavan, Professor, CSMR, NPL, Delhi
Dr. S. Rajasekaran, Professor, Bharathiar University, Trichy
Dr. P.Venugopal, Professor, Kamaraj University, Tiruchirapalli
Dr. P. Thangavel, Research Professor, Pondicherry University
Dr. K. Sethuraman, Associate Professor, CUTF, Thiruvurun
Dr. S. Ramesh, Professor, Anna University, Chennai
Dr. P. Sathyaraj, Research Professor, Loyola College, Chennai
Dr. N. Prasad, Dean, St. Joseph's College, Coimbatore
Dr. M. C. Santhosh Kumar, Associate Professor, NIT, Tiruchy
Dr. S. Brahadeesan, Professor, Anna University, Chennai
Dr. I. Veerabhojan, Assistant Professor, Anna University, Chennai
Dr. R. John Bosco Belaeguru, Dean, NITTTR, Trichy