

RESOURCE PERSONS



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Prof. AMOLDIGHE

Tata Institute of Fundametal Research,
Mumbai and Fellow, IASc



Prof. D INDUMATHI

The Institute of Mathematical Sciences, Chennai

VENUE OF THE LECTURE WORKSHOP:

AV Hall, Near Alumni Building,
St. Joseph's College (Autonomous),
Tiruchirappalli-620 002, Tamilnadu.

ORGANIZING COMMITTEE

CHIEF PATRON

Rev. Dr. LEONARD FERNANDO, SJ,
Rector
St. Joseph's College (Autonomous), Trichy

PATRONS

Rev. Dr. K. AMAL, SJ,
Secretary
St. Joseph's College (Autonomous), Trichy

Rev. Dr. M. AROCKIASAMY XAVIER, SJ,

Principal

St. Joseph's College (Autonomous), Trichy

CHAIRPERSON

Dr. N. RAVI

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LECTURE WORKSHOP CONVENER

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LECTURE WORKSHOP CO-ORDINATOR

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EXECUTIVE COMMITTEE

Dr. S. Alfred Cecilraj

Dr. B. Kanickairaj

Dr. S. Lourduraj



Registration Link

<https://forms.gle/CvKLHwpff5gz39cV6>

Science Academies' Lecture Workshop On Recent Developments in Neutrino Astrophysics

01-03, February 2023

Sponsored and Supported by



INDIAN ACADEMY OF SCIENCES, Bengaluru

INDIAN NATIONAL SCIENCE ACADEMY, New Delhi

THE NATIONAL ACADEMY OF SCIENCES, Prayagraj



Since 1844

DEPARTMENT OF PHYSICS
St. JOSEPH'S COLLEGE
(Autonomous)
TIRUCHIRAPPALLI - 620 002, INDIA
www.sjctni.edu

HOST INSTITUTION

St. Joseph's College (SJC) was founded by the Jesuit visionaries in 1844 with the noble aim of educating humanity for the Good and the True (Pro Bono Et Vero). SJC now serves as a beacon of light for all men and women aspiring to pursue holistic higher education. SJC is a private, aided Christian minority institution affiliated to Bharathidasan University, Tiruchirappalli, Tamil Nadu. It is one of the first colleges to be granted autonomy by the UGC in 1978. SJC

- * was recognized by the UGC as a College with Potential for Excellence in 2004 and again in 2014
- * received DST-FIST fund in 2008 and 2014 and DBT-STAR status in 2014
- * received the coveted honour of the Special Heritage Status from the UGC in 2015
- * secured 26th position in NIRF of 7th edition (2022) under college category, secured the Five Star Status (2000), A + Grade (2006), A Grade (2012) and A ++ Grade (2019) in NAAC accreditation process.

ABOUT THE DEPARTMENT

The history of the Department of Physics dates to the year 1860s, during the inception of the college. The department has started many programmes such as B.A. Physics (1881), B.Sc (Hons.) Physics (1911), B.Sc. Physics (1930), M.Sc. Physics (1961), Ph.D. (1971) and M.Phil. (1977). It had given birth to 2 new departments Computer Science in 1983 and Electronics in 1993. To cater the needs of the students, B.Sc. & M.Sc. (Physics) programmes in Self-Financing Section (Shift-II) were started in

1982 & 2004 respectively. The department is one of the Star Departments among 24 departments of the college.

Notable alumni of the department are Bharat Ratna, Dr. A.P.J. 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 and nominated for Nobel Prize.

ABOUT THE WORKSHOP

The lecture workshop aims to familiarize participants with recent developments in the field of Neutrino Astrophysics such as Supernova Dynamics, Stellar energy production, Dark Matter, etc. The primary focus is to enhance the understanding of Astrophysics and particle physics at undergraduate and graduate levels. The participants will gather knowledge on these topics and this will help them to understand physics in a better way.

The workshop is particularly aimed at those students, from Universities and Colleges in and around St. Joseph's College, Tiruchirappalli, studying Physics at UG/PG level and who are eligible to apply. Motivated Faculty Members/PhD Scholars, who have a keen interest in learning Astrophysics may also apply. Totally 100 participants will be selected. The workshop comprising of Lectures, and Tutorial/ discussion sessions will help the participants hone their understanding in Astrophysics and particle physics.

APPLICATION PROCESS

- * The application form can be submitted in online through Google form.
- * <https://forms.gle/CvKLHwpff5gz39cV6>
- * In the case of teacher applicants, a printed copy of the application should be forwarded to the Workshop Coordinator by the Head of the Institution stating that leave will be sanctioned if the applicant is selected for the workshop.
- * Recommendation letter from a teacher is essential for Research scholars.
- * The Teachers who wish to participate in this lecture workshop should submit their completed application through proper channel by post addressed to:

Dr. A. ALEXANDAR

Assistant Professor & Lecture Workshop Coordinator
Department of Physics,
St. Joseph's College (Autonomous),
Tiruchirappalli-620 002, Tamilnadu.
E-mail: alexphdphysics@gmail.com,
Mobile: 8610319747

- * The last date for the receipt of the application duly filled through proper channel: **10th January 2023.**
- * Selected participants will be intimated through the registered e-mail by **13th January 2023.**
- * Local hospitality and travel fare will not be provided to participants.
- * Lunch and refreshments will be provided to all participants.
- * E-Certificates will be provided