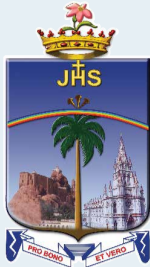


International Conference on Crystal Growth and Spectroscopy (ICCGS-2022)



29-31 August 2022 (Virtual)

Organized by

Department of Physics
St. Joseph's College (Autonomous)
Tiruchirappalli-620002, Tamil Nadu, India



In Collaboration with

SSN Research Centre, SSN Institutions
Chennai-603110, Tamil Nadu, India

In Association with

Indian Association for Crystal Growth (IACG)
Indian Spectrophysics Association (ISPA)

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 honor of the Special Heritage Status from the UGC in 2015
- Secured 27th position in NIRF of 6th edition (2021) under college category
- Secured the Five Star Status (2000), A⁺Grade (2006), A Grade (2012) and A⁺⁺Grade (2019) in NAAC accreditation process.

The college caters to the educational needs of all sections with a marked emphasis on the preferential option for the poor, the marginalized, the first-generation learners and the other deprived sections of the society.

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.

The department is DST-FIST funded and DBT-STAR supported has research facilities in Experimental Physics area. The faculty members undertake activities in knowledge transfer and research with extramural funds from government funding agencies like UGC, DST, DRDO, CSIR and others. 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 CONFERENCE

The International Conference on Crystal Growth and Spectroscopy (ICCGS-2022) will be held in the Department of Physics, St. Joseph's College, Tiruchirappalli, Tamil Nadu in collaboration with SSN institutions Chennai and in association with Indian Association for Crystal Growth (IACG) & Indian Spectrophysics Association (ISPA).

The objective of this international conference is to understand and appreciate the research work in crystal growth and spectroscopy and promote the same to the research community with ease. The conference also provides opportunities for the delegates to enhance new ideas, applications and experiences, to establish new research relations and to find global partners for future collaborations.

GENERAL INFORMATION

1. No registration fee.
2. Abstracts may be submitted for Oral/Poster Presentations through [Email: iccgsjc@gmail.com](mailto:iccgsjc@gmail.com).
3. Best Presentation Awards and Best Scientific Interaction awards will be given by IACG.
4. E-certificates will be given to the presenters/participants/awardees.

REGISTRATION LINK

<https://forms.gle/SCKtZ9fsvJBLjt4A>

QR
Code



TOPICS FOR ORAL/POSTER PRESENTATION

- Crystal Growth from Solution, Melt and Vapour
- Sankaranarayanan-Ramasamy (SR) Method
- Nucleation and Theories of Crystal Growth
- Novel and Nonlinear Optical (NLO) Crystals
- Semiconductors and Optoelectronic Crystals
- Single Crystal Devices
- Experimental Aspects of Crystal Growth
- Innovations in Crystal Growth
- Crystal Growth Instrumentation
- Characterization of Single Crystals
- Modeling in Crystal Growth
- Nano-Crystalline Materials
- Vibrational Spectroscopy
- Density Functional Theory

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Jt. Organising Secretary



Dr. A. Alexander
Assistant Professor of Physics
St. Joseph's College, Tiruchirappalli

Last date for registration: **08th August 2022**

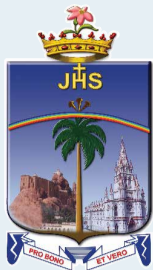
Last date for submission of abstract: **10th August 2022**

Acceptance notification: **13th August 2022**

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