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Rev. Dr. K. Amal, SJ, *Secretary*  
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## Convener

Dr. S. Joseph Selvaraj  
*Associate Professor and Head*

## Organizing Secretary

Dr. A. Irudaya Jothi  
*Assistant Professor*

## Joint-Secretaries

Dr. A. Edwin Vasu  
*Assistant Professor*

## Dr. A. Josephine Kanimozhi

*Assistant Professor*

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Dr. A. Arun Joseph Rosario, *Assistant Professor*  
Mr. P. Arockiadoss, *Assistant Professor*  
Dr. J. K. Alphonsa Juliet Helina, *Assistant Professor*

## 4<sup>th</sup> State Level Preparative Workshop in Chemistry for NET/GATE Aspirants (PWC-2022)

December 15-17, 2022  
(Thursday-Saturday)



Organized by  
**Chemistry Association**  
**Department of Chemistry**  
**St. Joseph's College (Autonomous)**  
Accredited at A++ (4<sup>th</sup> cycle) by NAAC  
Special Heritage Status by UGC  
DBT Star & DST-FIST Sponsored College  
Tiruchirappalli – 620002

## St. Joseph's College, Tiruchirappalli-620002

True to its noble ideal, *Pro Bono Et Vero* (for the Good and the True), St. Joseph's College (SJC) has always upheld and radiated Goodness and Truth in its endeavour to impart quality higher education for the past 178 years. SJC is an affiliated First Grade College of the Bharathidasan University and was established in 1844 by the Fathers of Society of Jesus (The Jesuits). It was accredited by NAAC with A++ Grade (4<sup>th</sup> Cycle) in 2019. SJC has notched a national honour by becoming a **Special Heritage Status** (2015) institution awarded by the UGC. It is the only institution from Tamil Nadu to have been given this rare distinction. It has also received the DBT's Star College Status in the same year. SJC was recognized by the UGC as a College with Potential for Excellence (CPE) in 2004.

## About the Department

The Department of Chemistry was founded by Rev. Fr. Hass in 1906 initiating the undergraduate course in Chemistry. In 1960 the MSc Chemistry was started. The PhD program was introduced in 1965. 120 Ph.D. scholars have been awarded with Doctoral degree from our Department. It is a FIST- and DBT-funded department. The department is well equipped with a FIST sponsored instrumentation Lab. The students of chemistry have ready access to the FIST-department library, shelved with 300 titles of books. It is the Star Department under DBT-Star College Scheme.

## Preparative Workshop in Chemistry

Training the post graduate chemistry students to get successfully qualified in NET and GATE examinations is a unique academic activity of the department for the last two decades. This training is extended to the students of neighboring districts also from 2009 onwards. The annual state-level preparative workshop in Chemistry (PWC) was initiated in 2017 to offer intensive coaching for the NET/GATE/TNSET aspirants. The second and third workshops were organized in 2018 and 2019. Students from across the state participated in the workshops and benefited out of them. To continue our tradition, we organize the fourth workshop in **December 15-17, 2022**. The objective of the workshop is to rejuvenate the interest of the young chemists and to train them in problem solving strategies to qualify themselves in the national level competitive examinations.

## Registration

- \* Last date for online payment and registration is **14-12-2022**.
- \* No spot registration is encouraged.
- \* I and II year M.Sc. Students, research scholars, staff, and the NET/GATE aspirants can participate.
- \* Registration will be limited only to 75 participants on the first-come first-served basis.
- \* Registration Fee is **Rs. 500/-** only.
- \* Participants should take care of their lunch and accommodation.
- \* Registration will be complete only when the payment is successful.

## Payment cum Registration link

<https://admission.sjctni.edu/Chemistry/PWC/>

## Salient Features

- ◆ *Ten sessions on specific topics*
- ◆ *Experienced faculty*
- ◆ *Only problem-solving sessions*
- ◆ *Provision of printed question bank booklet*
- ◆ *Provision of soft-copy of previous years question papers*
- ◆ *Three prizes for outstanding performance in exit test*

**For further details please contact:**

## Joint-Secretaries

### Dr. A. Edwin Vasu

Assistant Professor (Mobile No: 6380271539)

### Dr. A. Josephine Kanimozhi

Assistant Professor (Mobile No: 9444638003)

# Topics and Resource Persons

## Organic Reaction Mechanisms

### Prof. S. Govindarajan

Head of the Department (Retired)  
Department of Chemistry  
Loyola College, Chennai-600034

## Key-Concepts in Inorganic Chemistry & Spectral Analysis of Complexes

### Dr. S. R. Bheeter

Head of the Department (Retired)  
Department of Chemistry  
St Joseph's College, Trichy-620002

## Stereochemistry

### Dr. N. Xavier

Associate Professor (Retired)  
Department of Chemistry  
St Joseph's College, Trichy-620002

## Group Theory

### Dr. A. Peter Pascal Regis

Head of the Department (Retired)  
Department of Chemistry  
St Joseph's College, Trichy-620002

## Organometallics

### Dr. D. Suresh

Assistant Professor  
Department of Chemistry  
School of Chemical and Biotechnology  
SASTRA Deemed University, Tanjavur

## Quantum Chemistry

### Dr. J. Elangovan

Assistant Professor  
Department of Chemistry  
Rajah Serfogi Government College, Tanjavur

## Organic Spectroscopy

### Dr. S. Britto

Assistant Professor  
Department of Chemistry  
St Joseph's College, Trichy-620002

## Pericyclic Reactions

### Dr. C. Rajarathinam

Assistant Professor  
Department of Chemistry  
St Joseph's College, Trichy-620002

## Biomolecules and Heterocyclics

### Dr. S. Mangalaraj

Assistant Professor  
Department of Chemistry  
St Joseph's College, Trichy-620002

***Begin with end in mind.*** -Stephen R Covey (*The 7 habits of highly effective people*)