



Three Days  
Skill Development Course on  
**“Fluorescence Frontier: A  
Practical Training Initiative in  
Modern Spectroscopic  
Techniques”**

20-22 August 2025

Organized by  
Department of Organic Chemistry  
School of Chemistry  
Madurai Kamaraj University  
(Re-accredited by NAAC A++ Grade in the 4<sup>th</sup> Cycle)  
Palkalai Nagar, Madurai -625 021  
Tamilnadu India

**CONVENER**

**Dr. S. SIVAKUMAR**  
*Associate Professor*  
Department of Organic Chemistry  
School of Chemistry  
Madurai Kamaraj University

**About the Programme:**

A unique hands-on training designed to equip participants with practical and theoretical

knowledge in steady-state and time-resolved fluorescence spectroscopy using cutting-edge instrumentation like HORIBA FluoroMax Plus.

**Key Modules**

- - Fundamentals of Fluorescence
- - Instrumentation Setup & Operation
- - Emission & Excitation Spectra Recording
- - Fluorescence Lifetime Measurements
- - Applications in Biology, Chemistry, Nanotechnology

**Hands-On Sessions On**

- ✓ Time-Correlated Single Photon Counting (TCSPC)
- ✓ Quantum Yield Measurements
- ✓ FRET, Quenching, and Kinetic Studies

**Expert Talks by**

-  **Dr.G.Krishnamoorthy**  
Professor,  
Department of Chemistry,  
Indian Institute of Technology,  
Guwahati
-  **Dr.P.Thilagar,**  
Professor,  
Department of Inorganic and Physical  
Chemistry  
Indian Institute of Science,  
Bangalore.
-  **Dr.J.Nithiyandhan**  
Senior Principal Scientist,  
Physical and Materials Chemistry  
Division,  
CSIR-National Chemical Laboratory,  
Pune.

 **Mr. Haroon Thoufique**  
Horiba Instruments India  
Bangalore- 560102

**Who Should Attend?**

- ❖ - Postgraduate Students
- ❖ - Research Scholars

**Benefits**

- 🎯 Hands-on Training
- 🎓 Certification
- 🔍 Expert Interaction
- 💼 Career Advancement

Register Now!

🔗 <https://forms.gle/YmUY8vY3sGNPXF5v8>



(60 Slots only available)

"Selected candidates will be informed through email."

(Scan to Register)

**📧 Contact:**

**Dr. S. Sivakumar** (+91-9715452858)  
**Mr. A. Dineshkumar** (+91-7448792607)  
**Mr. R. Kamalakkannan** (+91-9566679229)  
**Mr.R.Ajay Dev** (+91-9344087156)

(Certificates will be provided to all participants)