CURRICULUM VITAE

Dr. Sentamil Selvi Ramasamy
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Google Scholar: Sentamil Selvi Ramasamy



PROFESSIONAL PROFILE

Ph.D. in Chemistry with expertise in organic synthesis, fluorometric sensing, nerve agent simulant detection, metal ion sensing, and anticancer therapeutics. Experienced in advanced spectroscopic characterization with specialized proficiency in 1D and 2D NMR spectroscopy. Skilled in structure elucidation, spectral interpretation, data processing, scientific writing, and analytical instrumentation.

RESEARCH INTERESTS

Organic Synthesis; Quinoline Chemistry; Fluorometric/Colorimetric Sensors; Nerve Agent Simulant Detection; Metal Ion Sensing; Anticancer Therapeutics; NMR Spectroscopy; DFT and ADMET Studies.

NMR SPECTROSCOPY EXPERTISE

- 1H NMR, 13C NMR, DEPT-45, DEPT-90, DEPT-135, ^{31}P, ^{19}F
- COSY, HSQC, HMBC
- Sample preparation, spectral acquisition on Bruker 400 MHz Instrument
- Structural elucidation and purity assessment of organic molecules
- Data processing using TopSpin and MestReNova

ACADEMIC QUALIFICATIONS

Ph.D. Chemistry (Optical Sensing & Cancer Therapeutics), Bharathiar University, 2021–2026
M.Phil. Chemistry (Optical Sensing), Bharathiar University, 2018–2019
M.Sc. Chemistry, First Class with Distinction (83.11%), 2016–2018
B.Sc. Chemistry, First Class with Distinction (85.96%), 2013–2016

PROFESSIONAL EXPERIENCE

Assistant Professor, Department of Chemistry (UG Aided), NGM College, Pollachi (Feb 2026 – Present)

ANALYTICAL & INSTRUMENTATION SKILLS

NMR, FT-IR, UV-Vis, Spectrofluorometer, TGA (Hands on experience), HRMS, SCXRD (analysis level), Rotary Evaporator, Sonicator, pH Meter, Chromatography (TLC & Column Chromatography).

SOFTWARE SKILLS

TopSpin, MestReNova, Spectra Manager, Mercury, Encifer, OriginPro, ChemDraw, Discovery Studio, PyRx AutoDock Vina, Chemcraft, Zotero, MS Office.

RESEARCH CREDENTIALS

Research Experience: 7+ Years
Publications: 10+ Peer-reviewed Articles
Book Chapters: 1+
Conference Presentations: 3+
Areas: Organic Synthesis, NMR Spectroscopy, Fluorescent Sensors, Nerve Agent Detection, Metal Ion Sensing, Drug Discovery.

PERSONAL DETAILS

Date of Birth	: 7th November, 1995
Nationality	: Indian
Languages	: English & Tamil
Gender	: Female
Marital status	: Unmarried
Address	: 4/153 Aarankattuthottam, Dasarpatti, Dharapuram, Tiruppur- 638 657.
Mobile No.	: +91 9123598298
E-mail	: sentamil1195@gmail.com

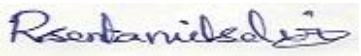
References

1. **Dr. T. Suresh**
   Assistant Professor
   Department of Chemistry
   School of Chemical Sciences
   Bharathiar University
   Coimbatore -46
   Email: thansuresh@gmail.com
   Mobile No.: +91 8610252366

2. **Dr. K. Chandraprakash**
   Assistant Professor
   Department of Chemistry
   Kongunadu Arts and Science College
   Gn Mills
   Coimbatore- 29
   E Mail: chemchandraprakash@gmail.com
   Mobil No: 93452 81505

Declaration

I hereby declare that the above information is true to the best of my knowledge and belief. I assure my wholehearted commitment and dedication toward the progress and success of the organization if given an opportunity.



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