

PROFILE



PERSONAL INFORMATION

Rev. Dr. A. Sebastin Thangadurai, SJ

Assistant Professor

PG & Research Department of Chemistry

St. Joseph's College (Affiliated to Bharathidasan University)

Tiruchirappalli-620002

Email Id: sebastinthangadurai_ch1@mail.sjctni.edu

EDUCATIONAL QUALIFICATION

- B.Sc Chemistry (Distinction)-Loyola College, Chennai (2002-05)
- M.Sc Chemistry (Distinction)-Loyola College, Chennai (2005-07)
- B.Ph Philosophy (Distinction)-Jnana Deepa Vidyapeeth, Pune (2008-10)
- B.Th Theology (Distinction)-Vidya Jyothi, Delhi (2011-15)
- Ph.D Chemistry-St. Joseph's College, Trichy (2016-2021)

AWARDS AND RECOGNITIONS

- Top rank holder award for academic proficiency in B.Sc Chemistry
- Gold medal for academic excellence in M.Sc Chemistry
- Merit Scholarships for academic proficiency in UG and PG
- Cash award in National Level Paper Presentation organized by Association of Science, Society and Religion, Pune (ASSR).

TEACHING EXPERIENCE

- Assistant Professor in Department of Chemistry, Loyola College, Mettala (June 2016 to May 2021)
- Assistant Professor in Department of Chemistry, St. Joseph's College, Tiruchirappalli (June 2021 to till date)

AREAS OF RESEARCH

- Nanochemistry and Coordination Chemistry

ACADEMIC/ADMINISTRATIVE RESPONSIBILITIES

- Dean of Academics, Loyola College, Mettala (2016-17)
- Vice Principal, Loyola College, Mettala (2017-2021)
- Director: Loyola Hostel, Loyola College, Mettala (2016-2021)
- Administrator: St. Theresa Hostel, St. Joseph's College, Trichy (2022-)
- Director: ACIC, St. Joseph's College Instrumentation Centre (2024-)
- Member: Panel of Examiners for University exams for affiliated colleges, Alagappa University, Karaikudi.

RESOURCE PERSON

- Delivered a lecture in the Chemistry Association Inauguration, Department of Chemistry, Loyola College, Mettala entitled “Career Prospects in Chemistry” on August 29, 2023.
- Served as Resource person in the International Conference held in Holy Cross College, Trichy entitled “Recent Advances in Physical Sciences” on January 20, 2024.
- Delivered a lecture on health and sanitation in SHEPHERD extension programme, St. Joseph’s College on October 2, 2024.

JOURNAL PUBLICATIONS

- Ph.D Thesis: “Synthesis, Spectral Characterization of Transition Metal Complexes with Novel Schiff Bases and their Biological Applications”.
- **A. Sebastin Thangadurai**, M. Paul Johnpeter, R. Manikandan and A. Paul Raj, Synthesis, Spectral Characterization and Biological Evaluation of Schiff Base Derived From 3-Methoxy Salicylaldehyde with Aniline and its Transition Metals, *International Journal of Scientific & Technology Research*, 9(3) (2020), 5964-70.
- **A. Sebastin Thangadurai**, M. Paul Johnpeter, R. Manikandan and A. Paul Raj, Synthesis, Structural Investigation and Antimicrobial Activities of a Novel Schiff Base - 2 Methoxy-6-Phenyliminomethylphenol and Its Transition Metals, *Journal of Critical Reviews*, 7(4) (2020), 2779-90.
- M.K. Anitha, **A. Sebastin Thangadurai** and A. Cyril, Photo-Electrochemical Water Splitting Behaviour of ZnO Phthalocyanine and TiO₂ Phthalocyanines, *Mapana Journal of Sciences*, 22(4) (2023), 21-37.
- A. Tony Elizabeth, **A. Sebastin Thangadurai** and Antonisamy Edwin Vasu, Green synthesis of superparamagnetic maghemite nanoparticles using banana pseudo- stem: a reusable heterogeneous catalyst for Fenton-like degradation of tetracycline antibiotics, *New Journal of Chemistry*, 47(2023), 20306-15.
- M.K. Anitha, **A. Sebastin Thangadurai**, A. Cyril and C. Vedhi, Photo-electrochemical Water Splitting Behavior of Rare Earth Metal Oxide Based Phthalocyanines Nanocomposites, *Journal of Environmental Nanotechnology*, 2025, <https://doi.org/10.13074/jent.2025.03.243895>

BOOK CHAPTERS

- J.K. Alphonsa Juliet Helina, **A. Sebastin Thangadurai** and A. Arun Joseph Rosario, An ascertain of Chitosan encapsulated hybrid beads of *Hiptage Bengalensis* (HI) with the bivalent metal ion (Zn^{2+}) on carbon steel in 0.5M HCl medium as anti-putrescent, *Exploring new horizons in chemical sciences (ENHCS- 2024)*, Dr. A. Sharmila & Dr. P. Thamizhini (eds.),16 (2024), 119-126, Ryan Publishers, ISBN: 978-81-19587-23-0.

CONFERENCES/SEMINARS

- Participated in National workshop on Green approach to Chemistry held at Department of Chemistry, Loyola College, Chennai (August 9-11, 2018).
- Participated in Faculty Training Programme on Recent trends in Chemistry organized by Periyar University held at Bharathiyar Arts and Science College, Attur (November 8-9, 2018).
- Presented a paper entitled “Synthesis, Spectral Characterization And Biological Evaluation of Schiff Base Derived From 3-Methoxy Salicylaldehyde with Aniline and its Transition Metals” in National Conference on Recent advances in Chemistry and Nanomaterials (RACN-2019), Department of Chemistry, Sun Arts and Science College, Thiruvannamalai (February 1, 2019).
- Participated in the International Conference on Smart Materials Chemistry (CHEMSMAT-21) organized by the Department of Chemistry, St. Joseph’s College (July 29-31, 2021).
- Participated in the National Webinar on “New business ideas in the framework of sustainable chemistry” organized by the department of Chemistry, St. Joseph’s College (August 11-13, 2021).
- Participated in Leadership training programme organized by IDCR, Loyola College, Chennai (October 14-17, 2021).
- Participated in FDP Workshop on “Intricacies of writing for research publications and projects” held in St. Joseph’s College, Trichy (October 27, 2023).
- Participated in the UGC sponsored one-month Faculty Induction Programme conducted by HRD centre, Bharathidasan University, Trichy (February 20, 2024 to March 20, 2024).

- Participated in a hands-on workshop “Caring for our common home” held in St. Aloysius University, Mangaluru (September 13-15, 2024).
- Presented a paper entitled “Biogenic Amalgamation of *Spirulina platensis* derived monometallic (Ag & Ru) and Bimetallic (Ag-Ru) nanocomposites: An Anti-angiogenic Modulator” in Indo-South Korea-Thailand 4th International Conference on Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA-2024) organized by Vinayaka Mission’s Research Foundation, Salem (November 8-9, 2024).
- Participated in the International Conference on Advances in Functional Materials (ICAFM-2025) organized by the Department of Chemistry, St. Joseph’s College, Trichy (February 13-14, 2025).
- Participated in the two-day International Conference on Re-envisioning Higher Education in India: Excellence, Equity & Sustainability (RHEEES ’25) organized by Loyola College, Chennai (February 20-21, 2025).