

Faculty Profile



Dr.S.Shanthi,M.Sc. M.Phil., Ph.D

Assistant professor(OG),Chemistry

HIGHLIGHTS:

- Number of Journal Publications:6
- H-Index: 5
- Project Funding Received:Nil
- Patents Published: 2
- Patents Granted:Nil

PROFESSIONAL LINKS:

- Scopus ID: 57214243748
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=57214243748>
- Google Scholar ID: RUXS7IYAAAAJ&hl
- Anna University Faculty ID: 278545
- AICTE Faculty ID: 1-13860975850
- Anna University Supervisor ID: Nil
- LinkedIn: Nil

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 5 years, 2months,10 days
- Industrial Experience: Nil

INTERNATIONAL EXPOSURE:Nil

AREA OF SPECIALIZATION: Organic chemistry and sensor applications.

Ph.Ds AWARDED WITH DETAILS: Nil

Ph.Ds GUIDING:

- Full Time Scholars: Nil
- Part Time Scholars : Nil

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY: Nil

PATENTS PUBLISHED/GRANTED:

- Title of the invention: ANALYSIS OF BAGASSE FIBRE BASED GEL AS QUASI ELECTROLYTE FOR ALUMINIUM-AIR BATTERY,

Application No.202341069385 Publication Date: 24/11/2023

- Title of the invention : LIPID NANOPARTICLES FOR DELIVERY OF NUCLEIC ACIDS AND ITS PERFORMANCE

Application No.202441019708 A Publication Date : 29/03/2024

PAPERS PUBLISHED:

- Shanthi, Dual behaviour of 2-tetralone: A new approach for the synthesis of 5-aryl-7, 8, 13, 14-tetrahydrodibenzo[a,i]phenanthridine, J.Heterocyclic chemistry 46,1142(2009)
- Shanthi, Colorimetric Metal Sensing of Fe and Cr and photophysical and Electrochemical Studies Based on Benzo [4, 5]thiazolo [3,2, [pyrimidine-3-carboxylate and Its Derivatives, Journal of Organic Chemistry, 85(4), 1871–1881.
- Shanthi, A multisensing ratiometric fluorescent sensor for recognition of Al³⁺, Th⁴⁺ and picric acid' Inorganic Chemistry Communications, 132, 108825
- Shanthi, A new furan based fluorescent chemosensor for the recognition of Cr³⁺ ion and its application in real sample analysis,Journal of Photochemistry and Photobiology A: Chemistry, 418, 113441
- Shanthi,Fluorescent chemosensors for Hg ²⁺ ions based on a pyridine-attached phenanthridine probe, New Journal of Chemistry,45(37), 17667–17673
- Shanthi,Phenanthridine based fluorescent probe for Th⁴⁺ ion chemosensor, Journal of Photochemistry and Photobiology A: Chemistry, 430, 113952
- Shanthi, Synthesis, Topology, Molecular docking and dynamics studies of o-phenylenediamine derivative, Journal of Biomolecular Structure and Dynamics. 2024 Apr 5:1-20

COURSES CERTIFIED:

- Completed NPTEL Course on Psychology of learning first class with distinction in 2023
- Completed IUCEE Course with first class in 2024

ACHIEVEMENTS AND AWARDS: Best Performance Award-2019 in chemistry Department,VIT,Vellore

SPECIAL SESSIONS DELIVERED: Nil

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Participated “One day Exhibition on working models of chemistry “ held at VIT University,Vellore (August 31th2005).
- Organised One day workshop on Instrumental methods of Analysis held at VIT University, Vellore (%5th Feb 2005).
- Demonstrated the instruments in one day workshop on instrumental methods of Analysis held at VIT University, Vellore (7th Jan2006).
- Participated in Training Orientation Programme “ (TOP) organized by academic Staff,, College held at May 2007 in VIT University
- Colorimetric Metal Sensing of Fe^{3+} and Cr^{3+} and Photophysical studies based on Benzo[4,5]thiazolo[3,2-*a*]pyrimidine-3-carboxylate and its derivatives, International Conference on Emerging Trends in Catalysis (ETC 2020)” 6 - 8 January 2016,VIT,Vellore
- Electrochemical properties of Benzo[4,5]thiazolo[3,2-*a*]pyrimidine-3-carboxylate and its derivatives), International Conference on Frontiers in organometallics and catalysis (FOMC – 2021)” 20 – 22 nd January 2021, MNIT,Jaipur,Rajasthan.
- Synthesis,Characterisation and Optical Properties of Various Substituted esters). International Conferences on New Vistas in Chemical Research ‘(ICNVCR – 2021)” 27 – 28 January – 2021,G.Vaishnav College,Chennai, Tamilnadu
- Organized and participated International webinar on Small Molecules Derived Photoluminescent Carbon Dots: Synthesis, Characterizations,

Sensing and Bio-imaging Applications on 14.11.2022 by Department of Chemistry, Saveetha Engineering College, Chennai.

- Participated Five days International virtual conference on “Recent trends in Organometallics and Material Science” held from 6th to 7th July 2023 organized by Easwari Engineering College Chennai.
- Participated in Participated in Faculty Development Programme on “Recent Research Development in Chemistry” organized by the Department of Chemistry Easwari Engineering College Chennai from 24.07.2023 to 29.07.2023.
- Participated Five days FDP on “Recent advances and applications in chemical sciences” held from 14.08.23 to 18.08.23 organized by Mohammed Sathak A J College of Engineering Chennai.
- Webinar on "AVENUES OF ACHIEVING SUSTAINABILITY"31.10.22Vigyan Parishad Prayag MP Chapter, Indore
- Webinar on "The Seven Habits of Highly Effective Readers"7.11.22
- International webinar on "Nanotechnology and its Applications"14.10.22
- Webinar on "Small Molecule Derived Photoluminescent Carbon Dots- Synthesis, Characterizations, Sensing and Bio-imaging Applications,14.11.22
- Webinar on "Electrocatalytic Degradation of Air Pollutants at Gel Induced Triphase Interphase,21.10.22, saveetha engineering college,Chennai
- Workshop on "Art of Diversity and Inclusivity"29.10.22,
- Webinar on Multifunctional Materials, 18.3.23,organized by PG Dept, of Physics, WCC,Chennai
- Webinar on “VisionNano'23: Webinar on Smart Nanosensor Technology for Medical Diagnostics"24.3.23,dept of nanoscience and technology,Ramakrishna engineering college,Coimbatore.
- Webinar on Introduction to Quantum Computing on 17.4.23,Dept, of Physics, Saveetha engineering college,Chennai
- Webinar on "Advances in Engineering Metal-Organic Frameworks for Energy Storage Applications"on 13.4.23,Dept, of Chemistry, Saveetha engineering college,Chennai
- Webinar on optical properties of materials on 23.5.23,Dept, of Physics, saveetha engineering college,Chennai
- Webinar "Green Clean and Affordable Magenets" on 29.4.23,Dept, of Physics, saveetha engineering college,chennai

PROFESSIONAL MEMBERSHIPS: Nil

OTHER DETAILS (If any): Nil