

RÉSUMÉ

Dr. A. S. STELLA SHALINI

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stellashalini_ch1@mail.sjctni.edu



PERSONAL PROFILE	Age & Date of birth	: 42 & 28-06-1982				
	Sex	: Female				
	Marital Status	: Married				
	Languages known	: Tamil, English				
	Address for Communication	: No. 78, 8 th Cross street, Vasantha Nagar, Jeyanagar extention, Karumandapam, Tiruchirappalli – 620 001				
WORKING EXPERIENCE	16 Years +					
	❖ UG & PG in Chemistry					
ACADEMIC AWARDS & RECOGNITIONS	S. No.	INSTITUTION	DURATION			
	1.	National College (Autonomous), Trichy.	2006 - 2007 (1 year)			
	2.	St. Joseph's College (Autonomous) Trichy	2007 - Till date			
	👉	<i>Gold Medal for College first rank</i> in B.Sc. Chemistry, from Holy Cross College (Autonomous), Trichy-2				
	👉	<i>Two Gold Medals</i> and Cash Award for Bharathidasan University first rank in M.Sc. Chemistry.				
EXTRACURRICULAR ACTIVITIES	👉	Best faculty award from Indian Academic Researchers Association (<i>IARA AWARDS 2017</i>), Trichy				
	👉	Young Scientist'18 from International Journal For Research Under Literal Access (<i>IJRULA TITLE AWARDS 2018</i>), Malaysia.				
	•	Curriculum Designing skills (Board of Studies member in the Department)				
	•	Writing, Reading & Public Speaking skills				
	•	Computer skills				
EDUCATIONAL QUALIFICATION (COLLEGE)	COURSE	YEAR & MONTH	BOARD/ UNIVERSITY	INSTITUTION	%	
	Ph. D. (Chemistry)	APRIL 2015	Bharathidasan University	St. Joseph's College (Autonomous), Trichy-2	77.5	
	SET (Chemistry)	October 2006	Bharathiar University, Coimbatore	Bharathiar University Coimbatore	Qualified	
	M. Phil. (Chemistry)	October 2006	Bharathidasan University	Centre for Distance Education, Bharathidasan University	81.4	
	M. Sc.	April 2004	Bharathidasan University	Bishop Heber College, Trichy-17	86.88	
	B. Sc.	May 2002	Bharathidasan University	Holy Cross College (Autonomous), Trichy-2	89.72	
	B. Ed.	April 2005	Madras University	Lady Willington College of Education, Chennai	77.3	
	SCHOOL EDUCATION	HSC	March 1999	State Board	Holy Cross Girls Higher Secondary School, Trichy-2	88

INTERNATIONAL

- 📖 Dr. A. S. Stella Shalini, L. Shahanaz, P. Rajeswaran, R. Tamilarasan, S. Kumaran, P. Siva Karthik, "**Facile green synthesis of gelatin sodium alginate cerium oxide hydrogel nanocomposite and their photocatalytic and its biological applications**", Chemical papers, Vol. No. :78, PP.:3111-3123, 2024
- 📖 Dr. A. S. Stella Shalini, L. Shahanaz, "**Green Synthesis, Characterization of Zirconium Oxide Nanoparticles Loaded with Gelatin-Sodium Alginate-Based Nanocomposite Hydrogel Films**", Aip conference proceedings, PP. 2783, ISSN No. 1551 -7616, 2023
- 📖 Dr. A. S. Stella Shalini, L. Shahanaz, "**Zinc oxide nanoparticles synthesized using Oldenlandia Umbellata leaf extract and their photocatalytic and biological characteristics**", Journal of the Indian Chemical Society, Vol. No. :100, PP.: 1-12, ISSNO.: 0019-4522, 2023
- 📖 Dr. A. S. Stella Shalini, L. Shahanaz, "**Green synthesis, characterization, photocatalytic activity, and biological applications of gelatin-sodium alginate zinc oxide nanocomposite**", Material Today Proceedings, Vol. No. :68, PP.: 428-441, ISSNO.: 2214-7853, 2022
- 📖 Dr. A. S. Stella Shalini, L. Bhuvana, "**Comparative Analysis of Phytochemicals Presents in Different Extracts of Helicteres Isora Leaves**", THINK INDIA (Quarterly Journal), Vol. No. :22, PP.: 1508-1512, 0971-1260, 2019
- 📖 Dr. A. S. Stella Shalini, L. Bhuvana, "**Larvicidal properties of Helicteres isora (L.) Crude and Fractionated Extracts against Human Vector Mosquito Culex Quinquefasciatus (Say.) (Diptera: Culicidae)**", ADALYA Journal, Vol. No. 8: PP.:669-673 , ISSNO.: 1301-2746, 2019
- 📖 Dr. A. S. Stella Shalini, M. Amaladasan, N. Prasannabalaji, J. Revathi, G. Muralitharan "**Synthesis, characterization and antimicrobial studies on 13-membered-N6-macrocylic transition metal complexes containing trimethoprim**", Arabian Journal of Chemistry, Vol. No. :12, PP.: 1176-1185, ISSNO.: 1878-5352, 2019
- 📖 Dr. A. S. Stella Shalini, L. Bhuvana, "**Evaluation of Phytochemical and Anti Bacterial Potential of Helicteres Isora. Leaves Extract against Enteric Bacterial Pathogens**", THINK INDIA (Quarterly Journal), Vol. No.22 :, PP.: 1456-1461, ISSNO.:0971-1260 , 2019
- 📖 Dr. A. S. Stella Shalini & Dr. M. Amaladasan, "**Synthesis, Characterization and Biological Evaluation of Unsymmetrical 12-Membered Pentaaza Macrocylic Complexes**", International Journal of Innovative Research in Science, Engineering and Technology, Vol. No. :5, PP.:2053-2059, ISSNO.:2319-8753, 2016.
- 📖 Dr. A. S. Stella Shalini & Dr. M. Amaladasan, "**Synthesis, Characterization and Biological Screening of 10 Membered Tetraazamacrocylic Cobalt Complex against Drug Resistant Bacterial Pathogens**", International Journal of Advanced Scientific Research and Development, Vol.No.:02, PP.:112-120, ISSN: 2395-6089, 2015.
- 📖 A. S. Stella Shalini & Dr. M. Amaladasan, "**Synthesis, Characterization and Biological Screening of Unsymmetrical 11-Membered Tetraaza Macrocylic Complexes containing Urea**", International Journal of ChemTech Research, Vol. No.:6, No.2, PP.:1028-1038, ISSNO.:0974-4290, 2014.
- 📖 A. S. Stella Shalini, M. Amaladasan, N. Prasanna Balaji & G. Muralidaran, "**Design, Spectral Characterization and Biological Evaluation of Unsymmetrical 11-Membered Tetraaza Macrocylic Complexes Containing Thiourea**", International Journal of ChemTech Research, Vol. No.:6, No.2, PP. :1039-1050, ISSNO.:0974-4290, 2014.
- 📖 A. S. Stella Shalini, M. Amaladasan, N. Prasanna Balaji, J. Revathi & G. Muralidaran, "**Synthesis, Characterization and antimicrobial studies on 13-Membered-N6-Macrocylic transition metal complexes containing Trimethoprim**", Arabian Journal of Chemistry, Vol.No.:1481, ISSNO.:1878-5352, Impact Factor:2.684, 2014.

NATIONAL

- 📖 A. S. Stella Shalini, Thangappa, T. Jeyaraj, M. Paramasivam & C. Raja, "**2',3-Dicarboxylato-4-Hydroxyazobenzene as Corrosion Inhibitor for Aluminium in Sodium Hydroxide**", Transactions of the SAEST, Vol.No.:40, PP.:139-145, 2005.

REGIONAL

- 📖 M. Amaladasan & A. S. Stella Shalini, "**Synthesis and Characterization of 12-Membered**

**PAPERS
PARTICIPATED &
PRESENTED**

Tetraazamacrocyclic Transition Metal Complexes containing Ethylenediamine, RETELL Vol.No.:13, No.2, PP.: 41-44, ISSN.:0973-404X, 2013.

📖 M. Amaladasan & A. S. Stella Shalini, **Synthesis and Characterization of unsymmetrical macrocyclic Transition metal complexes derived from Bis(benzil)ethylenediamine and o-phenylenediamine**, RETELL, Vol.No.:13, No.2, PP. :45-48, ISSN.:0973-404X, 2013.

📖 M. Amaladasan & A. S. Stella Shalini, **Synthesis, Spectral Characterization, Electrochemical, Thermal And Antimicrobial Studies Of Macrocyclic Complexes of Cobalt II, Nickel II and Copper II containing A Tetraaza-Macrocyclic Ligand**, RETELL, Vol.No.:12, No.2, PP. :127-131, ISSN.:0973-404X, 2012.

📖 Participated and presented a paper titled “Synthesis and Characterization of Cobalt^{II}, Nickel^{II} and Copper^{II} complexes containing a tetraaza-macrocyclic ligand” in three days National Conference on Recent Advances in Inorganic Chemistry, School of Chemistry, Bharathidasan University, Tiruchirappalli, on 22,23 & 24 March 2012.

📖 Participated and Presented a paper titled “ Chemical and Biological Characterization of Transition Metal ions of bis (benzyl)ethylenediamine with o-phenylenediamine” in two days International Conference on Biotechnological Innovations Towards Global Development, Department of Biotechnology and Bioinformatics, Bishop Heber College, Tiruchirappalli, on 9 & 10 January 2013

📖 Participated and Presented a paper titled “ Synthesis, Characterization and biological screening of 10 membered tetraaza macrocyclic transition metal complexes containing hydrazine hydrochloride” in three days International Conference on Biological Inorganic Chemistry, Department of Chemistry, Periyar University, Salem, on 20, 21 & 22 February 2013.

📖 Participated and presented a paper in Eleventh National Convention of Electrochemists conducted at Bishop Heber College, Trichy on 26 & 27 December 2003.

📖 Participated in two days NAAC Sponsored National Conference on “Quality Enhancement and Sustenance in Higher Educational Institutions through Six Sigma Quality Strategy”, St. Joseph`s College, Tiruchirappalli, on 23 & 24 October 2008.

📖 Participated in two days UGC Sponsored National Conference on “Higher Education and National Development: The Challenge of Expansion, Quality and Inclusion”, St. Joseph`s College, Tiruchirappalli, 30 & 31 January 2009.

📖 Participated in two days UGC sponsored National Seminar on “Emerging Trends in Medicinal and Analytical Chemistry”, Department of Chemistry, St. Joseph`s College, Tiruchirappalli , on 6 & 7 March 2009.

📖 Participated in one day National conference on “Role of ICT in Higher Education: Quality, Accessibility and Security”, St. Joseph`s College, Tiruchirappalli, on 29 January 2010.

📖 Participated in Research day on “Pursuing Socially Relevant Research - Possibilities and Concerns”, St. Joseph`s College, Tiruchirappalli, on 28 January 2012.

📖 Participated in two days National Conference on “Higher Education in the Knowledge Age : Techno-Pedagogical Perspectives and Innovations, IQAC and Bharathidasan university”, St. Joseph`s College, on 24 & 25 February 2016.

📖 Participated in two days International Conference on “Indian Traditional Medicine - A conglomeration of ancient knowledge and modern science”, SASTRA University, Trichy, on 21 & 22 July 2016.

📖 Participated in one day National Conference on “Recent advances in Chemistry research and its applications (NCRACRIA)”, Department of chemistry, St.Joseph`s College, Trichy-2, on 19 January 2017

📖 Participated and presented a paper titled “Evaluation of phytochemical and antibacterial potential of helicteres isora leaves against enteric bacterial pathogens” in one day National Conference on advanced materials in chemistry, St. Joseph`s College, Trichy-2, on 8th February 2018.

📖 Participated in one day National Conference on “Advances in Applied Chemistry (NCAAC'18)”, Department of chemistry, St. Joseph`s College, Trichy-2, on 14 December 2018

- ☞ Participated in one day National Conference on "Frontiers of Material Science", Department of chemistry, St. Joseph's College, Trichy-2, on 13 December 2019
- ☞ Participated in two days national Webinar on "Materials for Energy, Environment and Healthcare applications" Department of Chemistry, The Gandhigram Rural Institute -DTBU, Gandhigram, Tamilnadu, from 21.05.2020 to 22.05.2020
- ☞ Participated in two days international live webinar on "Materials and Technology for sustainable Development (MTSD-2020)" Department of chemistry, St. Joseph's College, Trichy-2 from 28.05.2020 to 29.05.2020
- ☞ Participated in two days National Level FDP on "Digital Skills for Smart Teaching" Raja Doraisingam Govt. Arts College, Sivaganga - 630 561, from 22.06.2020 to 23.06.2020
- ☞ Participated in one day International Webinar on "Fintech Revolution in Pandemic Period" Department of Commerce, Periyar E.V.R College, on 04.07.2020
- ☞ Participated in one day webinar on "An introduction to Patent and career opportunities in IPR" IQAC & Intellectual Property Rights Cell, Seethalakshmi Ramaswamy College, Trichy-2, on 09.07.2020
- ☞ Participated in one day National level webinar on "ICT tools for Effective Teaching and Learning" Department of Commerce (Shift II), St. Joseph's College, Trichy-2, on 11.07.2020
- ☞ Participated in 6 days International Level Online Quiz, National Service Scheme of Justice Basheer Ahmed Sayeed College for Women, from 15.07.2020 to 20.07.2020
- ☞ Participated in one day webinar on "Women Empowerment and Gender Sensitization during COVID 19" Department of Commerce, Rathinam College of Arts and Science on 16.07.2020
- ☞ Participated in 3 days Webinar series on "Principles and Practices of Phytochemical Research" Department of Chemistry, Sacret Heart College, Tirupathur and Auxilium College, Vellore, from 22.07.2020 to 24.7.2020
- ☞ Participated in one day National level lecture series on "PMR and CMR tools for structural elucidation, Govt. Madhav Science PG College, on 26.07.2020
- ☞ Participated in 2 days International Webinar on "Role of Molecules and Materials in Life Processes" Department of Chemistry, C. Kandaswami Naidu College for Women, Cuddalore, from 27.07.2020 to 28.07.2020
- ☞ Participated in one day National Level Lecture series on "Let us explore the Wonderland of Organic Chemistry" Govt. Madhav Science PG College, 31.07.2020
- ☞ Participated in 2 days INTERNATIONAL WEBINAR ON NEXT GENERATION MATERIALS CHEMISTRY (NGMC-2020) Department of Chemistry, St. Joseph's College (Autonomous), Trichy-2, from 5.11.2020 to 6.11.2020
- ☞ Participated in 3 days webinar on Smart Materials Chemistry, Department of Chemistry, St. Joseph's College (Autonomous), Trichy-2, from 29.07.2021 to 31.07.2021
- ☞ Participated in 3 days webinar on New Business ideas in the framework of sustainable chemistry, Department of Chemistry, St. Joseph's College (Autonomous), Trichy-2, from 11.08.2021 to 13.08.2021
- ☞ Participated in one day webinar on Preparation for NAAC Accreditation-A participatory process, UGC Scheme of Paramarsh by IQAC, St. Joseph's College, Trichy-2, on 29.09.2021
- ☞ Participated in 2 days In-service Teacher Training Programme, Tamilnadu State Council for Higher Education, Chennai-5, from 05.05.2022 to 06.05.2022
- ☞ Participated in one day Faculty Development Programme on Course Design Matrix, Internal Quality Assurance Cell and Joseph Technology Enhanced Learning, St. Joseph's College, Trichy, on 25.01.2023
- ☞ Participated in Five Day Virtual Hands-on Faculty Development Programme, St. Joseph's College (Autonomous), Trichy-2, from 13.07.2023 to 19.07.2023.
- ☞ Participated in One day Workshop on "Effective Teaching", National College, Tiruchirappalli, on 29 October 2006.
- ☞ Participated in one day Workshop on "Communication Development" Lady Willington College of Higher Education, Chennai, September 2004.
- ☞ Participated in One day National Workshop on "Applications of Radiation and Radioisotopes (NWARRI-2008)", Department of Physics, St. Joseph's College, Tiruchirappalli, on 15 February

**WORKSHOP
PARTICIPATED**

2008.

- ☐ Participated in two days Workshop on “Magnetic Resonance in Chemistry and Biology in memory of Prof. Dr. Arthur Schweiger (1946-2007)”, Department of Chemistry, National Institute of Technology, Tiruchirappalli, on 13 & 14 March 2008.
- ☐ Participated in one day Workshop on “Green Experimental Techniques in Chemistry (GET 2014)”, Department of Chemistry, St. Joseph’s College, Tiruchirappalli, on 5 December 2014 .
- ☐ Participated in one day National Workshop on Capacity building workshop for faculty on "E-Content Development", St. Joseph’s College (Autonomous), Trichy – 2, on 9 June 2015.
- ☐ Participated in one day International Workshop on "Modern Approach to Chemistry and Hands-on training on solving spectroscopic problems, Department of Chemistry, Bharathi Women’s College, Chennai – 108, on 24.06.2020
- ☐ Participated in two days National Workshop on "Craft of Scientific writing" IQAC, Govt. Madhav Science P.G. College, Ujjain, Madhya Pradesh from 09.07.2020 to 10.07.2020
- ☐ Participated in Two days workshop on soft skills for faculty members, Joseph Academy of soft skills, Manikandam, Trichy, 25.03.2022 to 26.03.2022.

RESEARCH WORKS

- ☐ **M. Phil. (Chemistry):** Inhibition of Alkaline Corrosion of Aluminium by bis(p’-hydroxyphenyl)-o-hydroxy-p-methoxyphenylmethane
- ☐ **Ph.D. (Chemistry):** Synthesis, Characterization and Biological evaluation of mixed ligand complexes derived from 1,2,7,8-Tetraphenyl-3,6-diazahexa-2,6-diene-1,8-dione.

ORIENTATION PROGRAMME

- ❖ Participated in one day Orientation Programme for Mentors, St. Joseph’s College, Tiruchirappalli, on 29 March 2008.
- ❖ Participated in four days Orientation Programme for Junior Staff, St. Joseph’s College, Trichy, from 11-14 June 2012.
- ❖ Undergone 10 days Soft skill training programme conducted in three phases between August 2012 & October 2012.
- ❖ Participated in ten days Orientation Training Programme for Newly Recruited Teaching staff at Loyola College, Chennai, from 14.5.2013 to 24.5.2013.
- ❖ Participated in 92nd Orientation Programme sponsored by UGC, Human Resource Development Centre, Bharathidasan University, Trichy -23, from 20.5.2016 to 16.6.2016

RESOURCE PERSON

- ☐ Acted as a Resource person in one day State Level Workshop on, “Green Experimental Techniques in Chemistry” for School Teachers, Department of Chemistry, St. Joseph’s College, Trichy, on 5 December 2014.
- ☐ Acted as a Judge in Chemie fete'2017, for “Anybody can dance”, Department of Chemistry Association, on 27 February 2017.
- ☐ Acted as a resource person in Association Meeting, “Conformational Analysis-An essential tool to organic chemistry”, on 05.12.2018
- ☐ Chem colloquium'18, served as a judge for Chem collage, on 28.02.2019
- ☐ Young Investigators Meet, External expert for the evaluation of Posters, Bishop Heber College, Trichy on 06.02.2020
- ☐ National Level Debate, Climate Emergency, 05.12.2019

REFRESHER COURSE

- ☐ Participated in Refresher course in Chemistry sponsored by UGC, Human Resource Development Centre, Pondicherry University, Pondicherry, from 08.06.2018 to 28.06.2018 and obtained A grade.
- ☐ Participated in Online Refresher course in Chemistry sponsored by UGC, Human Resource Development Centre, Doctor Harisingh Gour Vishwavidyalaya, Sagar, 470 003. Madhya Pradesh, from 17.08.2020 to 29.08.2020 and obtained A+ grade.
- ☐ Participated in Online Refresher course in Chemistry sponsored by UGC, Human Resource Development Centre, Pondicherry University, Pondicherry, from 01.06.2022 to 14.06.2022 and obtained A grade.

NATIONAL CONFERENCE ORGANIZED

- ☐ Organized one day National Conference on “Advanced Materials in Chemistry”, St. Joseph’s College, Trichy-2, on 8th February 2018.
- ☐ Organized one day National Conference on "Advances in Applied Chemistry" - NCAAC`18, Department of Chemistry, St. Joseph’s College, on 14.12.2018

📅 Organized one day National Conference on Frontiers of Material Science, Department of Chemistry, St. Joseph's College, on 13.12.2019

COMMUNITY SERVICE

- ❖ Actively involved in SHEPHERD Extension Department activities.
- ❖ Member of AICUF in Holy Cross College Unit during the year 1999-2001.
- ❖ Contributed and participated in Science Exhibitions conducted by the Department.
- ❖ Actively involved in Campus Ministry activities.

M. PHIL. GUIDANCE

- ✍ S.A. Mercylin Angelis (13MCH112), "Influence of Catalyst in Synthesis, Characterization of Bimetallic Nanoparticles", 2014. (Awarded)
- ✍ P. Priyadharshini (14MCH101), "Synthesis of Chiral-2-o-benzoyl-6-o-mesyl myo-inositol-1,3,5-orthoformate", 2015. (Awarded)
- ✍ K. Bhuwaneshwari (15MCH108), "Estimation of Calcium, Phosphate, Reducing Sugar, Sulphated Ash from Sugarcane", 2016. (Awarded)
- ✍ T. Devaki (16MCH114), "Phytochemical screening GC-MS analysis and antibacterial studies on the Medicinal plant Pterosemum", 2017. (Awarded)
- ✍ Tamilselvi, (17MCH112) "The Corrosion Inhibition of Carbon Steel Using Eucalyptus Globulus in 0.5M HCl", 2018 [Awarded]
- ✍ Y. Jenifer, (18MCH112) " A convenient electrochemical method for the preparation of Bromohydrin (2-Bromo-1-phenyl ethanol" 2019[Awarded]
- ✍ P. Sudarvizhi, (19MCH106) " A convenient electrochemical method for the preparation of Bromohydrin (2-Bromo-1-phenyl ethanol" 2020[Awarded]

Ph. D. GUIDANCE

- L. Bhuvana (**Ref. No.** 40384/Ph.D.K2/Chemistry/Full-Time/January-2017/Date 22.12.2016), "Phytochemical Characterization and in vitro evaluation of Antimicrobial, Antioxidant, Anticancer", 2020, Awarded
- L. Shahanaz, (**Reg. No.** BDU2010190298/Ph.D.K2/ChemistryFull-Time(2-4)/February-2020), 2024, Thesis Submitted
- G. Usha, ((**Reg.No:BDU2320192780536/Ph.D.K2/Chemistry/Part-Time/November-2023**), Pursuing