

**Prof.P.Sangeetha M.Sc.,M.Phil.,Ph. D.,**

Assistant Professor of Chemistry

Rajah Serfoji Govt. College (Autonomous).

Thanjavur – 613005

Tel: 04362- 226417



**Personal Details :**

Date of Birth	-	17-May-1982
Nationality	-	Indian
Address	-	12,Adaikalamatha Nagar, Mathakottai Road, Thanjavur-05
Mobile	-	9943585675
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**Educational Qualifications :**

Degree	School / University	Period		Percentage
		From	To	
S.S.L.C.	Govt.Girls Hr.Sec. School, Budalur	1996	1997	79%
HSC	Govt. Hr. Sec. School, Budalur	1998	1999	66%
B.Sc	Bharathidasan University	1999	2002	67%
M.sc	Bharathidasan University	2003	2005	79%
M.Phil	Bharathidasan University	2005	2006	81%
Ph.D	Bharathidasan University	2014	2021	

## Teaching Experience:15 Years

Post Held	Institute	Period	
		From	To
Asst.Professor	Rajah Serfoji Govt.College, Thanjavur	2009	Till Date
Asst.Professor	Arignar Anna Govt.Arts College, Namakkal	2008	2009
Lecturer	Shrimati Indira Gandhi College, Trichy	2006	2008
Guest Lecturer	Rajah Serfoji Govt. College, Thanjavur	2005	2006

## Orientation Course : 01

Course	Institute	Period	
		From	To
Tamilnadu State council for higher education and UGC – Academic Staff College, University of Madras	Ethiraj Womens College, Chennai	13.10.2008	08.11.2008

## Refresher Course : 02

Course	Institute	Period		Grade
		From	To	
UGC sponsored refresher course in Chemistry	Bharathidasan University Tiruchirappalli	06.10.2010	26.10.2010	A
UGC sponsored refresher course in Environmental Science	Bharathidasan University Tiruchirappalli	28.02.2015	20.03.2015	A

## Research Experience : 06

### Research Interests:

- i) Organic Synthesis
- ii) Phyto Chemistry

## Research Guidance :

Degree	Guided	Ongoing
M.Phil.	-	-
Ph.D	-	-
M.Sc	24	2

## Publications : 07

- **P.Sangeetha, R.Balaji and V.Bharathi** “Phytochemical and Antibacterial Effect Of *Quisqualis indica linn*” International Journal of Institutional Pharmacy and Life Sciences 5 (2):March-April 2015.ISSN:2249-6807.
- **K.Tharini and P.Sangeetha** “Anti-Inflammatory and Antioxidant Activity of 1,3 Dimethyl 2,6-Diphenyl piperidin 4-one oxime” International Journal of Medicinal Chemistry & Analysis Vol 5/Issue 2/2015/116-120 eISSN:2249-7587,PISSN:2249-7595.
- **K.Tharini and P.Sangeetha** “Antioxidant and Anti-Inflammatory of 3,3-Dimethyl 2,6-Dimethyl Piperidin -4 one Oxime” International Journal of Chemical Sciences 13(4),2015,1794-1804,ISSN:0972-768X.
- **P.Sangeetha, P.Maheswari, R.Balaji and K. Tharini**, “Synthesis of Benzocain Compounds Using Microwave Technology and Evaluation of its Antibacterial Activity”, Asian Journal of Innovative Research 1(3)-01-06(2016),ISSN:2455-7285.
- **P.Sangeetha, T.Siva, R.Balaji and K. Tharini** “Synthesis of Phenytoin Compound Using Microwave Technology and Evaluation of its Antibacterial Activity”, World Journal of Science and Research 1(2):26-30,ISSN:2455-2208.
- **P.Sangeetha, C.Sankar and K.Tharini**, “New Thiazolidinone Substituted 2,6-Diarylpiperidin-4-one: Synthesis, Crystal Structure, Spectral Characterization, binding mode with calf thymus DNA”, Journal of Molecular structure 1198(2019)126899, <https://doi.org/10.1016/j.molstruc.2019.126899>
- **P.Sangeetha, C.Sankar, K. Tharini, and D.Balamurugan**, “Green Synthesis, NMR Spectral Characterization”, DFT and Antibacterial studies of 5'-methyl-(2r,6c-diarylthian-4-ylidene)hydrazono thiazolidin-4-one derivatives. Volume 9, Issue 2, February 2020, ISSN:1301-2746.

## Paper Presented in Seminars, Conferences and Workshops : 09

- P.Sangeetha, , C.Sankar and K.Tharini presented a paper entitled Synthesis and antimicrobial activity of 5-methyl-(N-methyl-3t-alkyl 2r,6c-diarylpiperidin-4-ylidene)hydrazono) thiazolidin 4-one derivatives. In the **International Conference** on Chemistry for Renewable Energy(ICCRE-2016) on 25-26 Feb-2016 held at Bishop Heber College(Auto),Trichirappalli-17.
- P.Sangeetha, R.Balaji , C.Sankar and K.Tharini presented a paper entitled Synthesis and Biological Evaluation of a Class of Thiazolidin and their interaction with Calf Thymus DNA in the **International Conference** on the Recent Trends in Synthetic Methods and Material Chemistry on 2and 3rd Feb-2018.held at Annamalai University.
- P.Sangeetha, C.Sankar and K.Tharini poster entitled An Efficient Solvent-Tuning Approach For the Rapid synthesis of Thiazolidin-4-one derivatives and Antitubercular Agent in the **International Conference** on Materials for Sustainable Future on14 and 15th July 2016 held at Sastra University-Thanjavur.
- P.Sangeetha, R.Balaji, C.Sankar and K.Tharini presented a paper entitled Microwave-Assisted one-pot three Component synthesis and in-Vitro anti-TB ,Inflammatory activity of Thiazolidin-4-one derivatives in the **International Conference** on Chemical and Environmetal research on Jan-2017 held at Jamal Mohamed College – Tiruchirappalli.
- P.Sangeetha, R.Balaji, C.Sankar and K.Tharini presented a paper entitled Design, Synthesis and Anticancer Activity Evaluation of 2,6-diarylpiperidin-4-ones containing Thiazolidin-4-ones moiety in the **International Conference** on the Frontier Areas in Chemical Technologies-2017 on 6-8th July-2017 held at Alagappa University,Karaikudi.
- P.Sangeetha, R.Balaji, K.Sundarean and K.Tharini presented a paper entitled Novel 1,3-Thiazine Derivaties Bearing Schiff Base Moiety As potential Antidiabetic and Antiproliferative Agents in the **National Seminar** on Emerging Trends in chemistry-2017 on 29th Oct-2017 held at AVVM Sri Pushpam College-Poondi.
- R.Geetha, P.Sangeetha and B.Divya Presented a paper entitled Studies of Epidemiological on Cement Industrial Workers in the **National Seminar** on Emerging Trends in chemistry-2017 on 29th Oct-2017 held at AVVM Sri Pushpam College-Poondi.
- R.Geetha, P.Sangeetha and B.Divya Presented a paper entitled Comparison of open well water quality with reference to physico-chemical aspects at Ariyalur District, Tamilnadu in the **National Seminar** on Emerging Trends in chemistry-2017 on 29th Oct-2017 held at AVVM Sri Pushpam College-Poondi.

- P.Sangeetha Presented a paper entitled The green synthesis of Silver Nano particles using carica papaya fruit extract ,UGC Sponsored in the **National Seminar** on New Opportunities and Challenges in Chemical Research in Collaboration with Association of Chemistry Teachers,Mumbai,29-30<sup>th</sup> Dec-2014.

### Seminars ,Conferences and Workshops Attended : 15

- P.Sangeetha attended the ICMR Sponsored **International Conference** on “Health Economics and Management” Organized by the Dept of Economics , Rajah Serfoji Govt. College, Thanjavur on 09.01.2015.
- P.Sangeetha attended the UGC Sponsored workshop on Manufacturing Techniques in House Cleaning and Refreshing Materials Organized by the Dept. of Chemistry, Rajah Serfoji Govt.College (Auto), Thanjavur on 04.03.2014.
- P.Sangeetha attended the UGC Sponsored **National Seminar** on Thin flim science and Nano technology - Rajah Serfoji Govt. College, Thanjavur on 2.9.2013.
- P.Sangeetha attended the UGC Sponsored **National Seminar** on Recent Trends in Polymer and Green Chemistry Organized by PG and Research Dept. of Chemistry , Rajah Serfoji Govt.College (Auto),Thanjavur.- 2 & 3 February 2012.
- P.Sangeetha attended the Workshop on Micro scale experiments in chemistry - AVVM Sri Pushpam College, Poondi. On 14.12.2011.
- P.Sangeetha attended the **State Level Seminar** on Thin flim and carbon nanostructures Organized by PG and Research Dept. of Chemistry Rajah Serfoji Govt. College, Thanjavur on 26.2 2011.
- P.Sangeetha attended the UGC Sponsored **State Level Seminar** on NMR Applications and Energy Materials Organized by PG and Research Dept. of Chemistry, Rajah Serfoji Govt.College (Auto), Thanjavur. - 21 February 2011.
- P.Sangeetha attended the UGC Sponsored **State Level Seminar** on Quantum Chemistry and Spectroscopy Organized by PG and Research Dept. of Chemistry, Rajah Serfoji Govt.College (Auto), Thanjavur. Feb. 2015.
- P.Sangeetha attended the **National Level Seminar** on Emerging Trends In Biological Sciences Organized by Dept of Microbiology and Bio chemistry ,Shrimati Indira Gandhi College-Trichy. 09-10 October 2006.
- P.Sangeetha attended the **TANSCHE Sponsored workshop** on Curriculum Development and Evaluation Techniques Organized by PG and Research Dept. of Chemistry, Rajah Serfoji Govt.College (Auto), Thanjavur, 16-18, Feb. 2006.
- P.Sangeetha attended the **workshop** on Intellectual Property and Innovation Management in Knowledge Era, Organized by NRDC and Gandhigram Rural Institute-Deemed University-Dindigul, 17 Oct.2012.

- P.Sangeetha attended **UGC Sponsored National Level workshop** on Modern Trends in Chemistry ,Organized by dept Of Chemistry, Kunthavai Naacchiyar Govt.Arts College (Women)-Thanjavur, 19.10.2014.
- P.Sangeetha attended **National Seminar** on Environmental Friendly Textile Processing Organized by dept Of Chemistry. AVVM Sri Pushpam College, Poondi. On Oct'2014.
- P.Sangeetha attended **National Seminar** on Modern Trends in chemistry, Organized by the Department of Chemistry on 20-Dec-2017 at Sengamala Thayar Educational Trust Womens College,Mannargudi.
- P.Sangeetha attended **State Level Seminar** on Hybride Nanomaterials and their Application(HNA-2018) Organized by Department of Chemistry on 20th Aug-2018 at AVVM Sri Pushpam College, Poondi.

### Membership in Professional Bodies :

Life Member: Tamilnadu Science Forum (A network organization of NCSTC, DST, Govt. of India).

### Academic Bodies (such as Board of Studies etc...)

- i) Member in IQAC , Rajah Serfoji Govt. College, Thanjavur.
- ii) Member in Board of studies in Rajah Serfoji Govt.College, Thanjavur from 2009 to till date
- iii) Member in Discipline committee in Rajah Serfoji Govt.College, Thanjavur from 2015 to till date

### Others:

- i) Project Evaluator for SCOPE(Specific Concept Oriented Programme) Special Project-District Level Meet 2017-2018 and 2018-2019 at Rajah's Higher Secondary School, Thanjavur on 27.02.2019 organized by **Department of School Education-Samagra Shiksha (Secondary)**,Thanjavur District.
- ii) Acting as an active judge in interschool competition-Tamil Elocution at Yagappa International School -Thanjavur. (2014 and 2015) conducted by **YMCA**.
- iii) Cleared **Departmental Examination-(EO)** in the year of 2010(Reg.No:025629).