

Sri Sai Ram Engineering College
Department Of Humanities And Sciences

Name : Dr. G. PUTHILIBAI



Designation:

Senior Lecturer

Qualification :

M.Sc., M.Phil, B.Ed., PGDCA., Ph.D

Area of Specialisation :

Inorganic Chemistry

Experience :

Teaching : UG: 16 yrs

PG : 4 yrs

Industry : - yrs

No. of workshop / Conferences / FDP attended :	8
Publication :	Journal National : 1 International : 2
	Conference National : 8 International : 8
Research Guidance :	Guided for 1 M.Phil & 1 M.Tech students
General :	<ul style="list-style-type: none"> • Active participation in horticultural activity society & N.S.S • Having many games & sports certificates
Staff Achievements:	<ul style="list-style-type: none"> • College topper in chemistry in UG levels. • University II rank in PG levels. • Won Championship in sports in UG levels. • Acted as academic council member –

<p>PDF (Post Doctoral Fellowship)</p>	<p>Bharath university.</p> <ul style="list-style-type: none"> Achieved 100% results in Engineering Chemistry I & II in the year 2009 and Environmental Science in the year 2010. <p>Undergone PDF (Post Doctoral Fellowship) at People friendship University of Russia, Moscow, Russian Federation in the year 2010</p>
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PUBLICATIONS

International

1. **G. Puthilibai**, 2-Bromo-4-chloro-6-(4-fluoro phenyliminomethyl) phenol, **Acta Crystallographica Section E**, (Wiley Inter science) E64, 2008, o1333.
2. **G. Puthilibai**, Synthesis, spectroscopic characterization, electro chemical behaviour and antibacterial activity of Ru(III) complexes with 2-[(4-N,N'-dimethylaminophenylimino)-methyl]-4-halophenol, **Spectro chimica Acta Part A : Molecular and Biomolecular spectroscopy**, (Elsevier) 24 November 2008.
3. **G. Puthilibai**, Synthesis and characterization of metal complexes, International Conference proceeding on Biophysical Organic and Inorganic Chemistry (ICBOIC), held at Bharath University, Chennai, between 26-30 August, 2007.

4. **G. Puthilibai**, Synthesis, Spectroscopic, magnetic and redox behaviour of Copper(II) and Ruthenium(III) complexes, International Conference proceeding on Biophysical Organic and Inorganic Chemistry (ICBOIC), held at Bharath University, Chennai, between 26-30 August, 2007.
5. **G. Puthilibai**, Novel Ruthenium(III) complexes: Synthesis, Structure and DNA Binding Studies, International Symposium proceeding on Recent Trends in Macromolecular Structure and Function, held at University of Madras, Chennai, Between 7-11 January, 2008.
6. **G. Puthilibai**, Synthesis, Structure and Catalytically Active Ru(II) Complex Formation of Schiff Base 2-Bromo-4-Chloro-6-(4-Fluoro phenyl imino methyl)Phenol, "International conference proceeding on functional materials", held at Indian Institute of Technology Madras, Chennai, between 27-29 November, 2008.

National

7. **G. Puthilibai**, Advanced tertiary treatment for domestic sewage (A Case study in Madras Fertilizers Limited), "National seminar proceeding on novel products and processes for Chemical Engineering and Biotechnology", conducted by St. Joseph's college of Engineering, Chennai, March 21-22, 2005.
8. **G. Puthilibai**, Cheminformatics ----- future, "National Conference proceeding on Recent Trends in Advanced Computing – 2007" (NCRTAC-07), conducted by Bharath University, Chennai, February 15, 2007.
9. **G. Puthilibai**, Bio-remediation—Nature's Cleaner Technology, "National conference proceeding on Recent trends in Science and Communicative English", conducted by Bharath University, February 28, 2007.
10. **G. Puthilibai**, Synthesis, spectroscopic, magnetic and redox behaviour of Copper(II), Cobalt(II), Nickel(II) and Ruthenium(III) bidentate Schiff base

complexes of N-,O- donor, 12th Biennial Symposium proceeding on “Modern Trends In Inorganic Chemistry MTIC-XII”, held at Indian Institute of Technology Madras, Chennai, between 6-8 December, 2007.

11. **G. Puthilibai**, Ligand influence on the redox properties of Copper(II) complexes with phenolic ligands, “National conference proceeding on Emerging Trends in Communicative English & Applied Sciences”, held at Bharath University, Chennai, on 14 March, 2008.

12. **G. Puthilibai**, Synthesis and DNA binding studies of Ru(II) Schiff base complex with CO and AsPh₃ as CO-ligands, “National conference proceeding on Emerging Trends in Communicative English & Applied Sciences”, held at Bharath University, Chennai, on 14 March, 2008.

13. **G. Puthilibai**, Analysis and Identification of Natural Copper Ore, proceeding of “International symposium for research scholars on metallurgy and material processing”, held at Indian Institute of Technology, Madras, Chennai, between 10-12 December, 2008.

Books

14. “Environmental Science and Technology” by **G. Puthilibai**, Gotari Publications, First Edition, May 2005.

15. “Applied Chemistry - I” by **G. Puthilibai**, Chaurulatha Publications, First Edition, June 2006. (ISBN-81-904915-3-2)

16. “Engineering Chemistry – I” by **G. Puthilibai**, Chaurulatha Publications, First Edition, May 2007.

SEMINAR / CONFERENCE / WORKSHOP ATTENDED

1. Attended Faculty Development Programme, on “Principles of Environmental science and Engineering” at MIT, Chrompet, Chennai, between 06.12.04 to 10.12.04.

2. Attended Short Term Training Programme on “Recent Trends in Analytical Instrumentation” at S.R.M. University, Chennai between 01.04.05 and 02.04.05.
3. Attended Workshop on “Ontology Engineering and Cheminformatics -2006” at Pondicherry Engineering College, Pondicherry on 15.12.06 and 16.02.06.
4. Attended Seminar on “Awareness programme on nanoscience and technology” organized by Center for Nanoscience and Technology & Crystal Growth Centre at Anna University, Chennai-25 on 19.09.2007 and 20.09.2007.
5. Attended national conference on “Current Trends in Biomaterials” (sponsored by Department of Biotechnology, New Delhi), at Sri Venkateshwara Engineering college, Sriperumpudur, on 18.07.08.