

Department of Chemistry
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Dr. R. Sankar
Assistant Professor

➤ **Research Area: Polymer Metal Complexes and Liquid Crystalline Polymers**

➤ **Educational Qualifications:**

Qualification	Department	Year (From -To)	Percentage	Class
Ph.D.,	Chemistry	2004-2009	-	-
M.Sc.,	Materials Science	1998-2000	6.94/10	I
B.Sc.,	Chemistry	1995-1998	66%	I

➤ **Experience:**

Name of / Institutions	Designation of Post	From	To	Relived on	Experience in Year
University College of Engineering Tuticorin	Assistant Professor	03-09-2009	11-09-2014	----	5 years
University College of Engineering Villupuram	Assistant Professor	12-09-2014	Till date	----	4 years

➤ **Awards:**

Awarded Young Scientist Project by DST, Government of India

➤ **Additional / Academic Responsibilities at University:**

1. YRC & RRC – Program Officer

➤ **Professional Activities:** Nil

➤ **Membership of Scientific and Professional Societies:**

1, Life Member-Polymer Society of India

➤ **Fellowships and Grants:**

1. Awarded Senior Research Fellowship (SRF) by CSIR, Government of India April 2018 to August 2009

➤ **Completed B.E/M.E Projects:**

- a. Number of ME Projects Completed: NIL
- b. Number of BE Project Completed: NIL

➤ **PhD Research Projects (Completed):** NIL

➤ **PhD Research Projects (Ongoing):** NIL

➤ **Sponsored Research Activities:** 01

“Development of Novel Functional Chelating Polymeric Ligands for Metal Ion Sorption”

Duration: 3 Years

Role: Principal Investigator

Agency DST-Young Scientist Scheme

Amount:Rs.18,00,000/-

➤ **Consultancy Activities:** NIL

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended: (Within India)**

S. No	Course title	Organizers	Duration	
			From	To
1.	Refresher course in Materials Science	Pondicherry University	22-01-2013	11-02-2013
2.	Short Term Tanining Programme on Matlab Applications in Science & Enginering	Annamalai University	08-06-2015	12-06-2015
3	TEQIP-Short Term Course on Bioenergy Conversion Systems- Modelling & Simulation	Pondicherry Engineering College	14-12-2015	18-12-2015
4.	International Workshop on Preparation of Technical Articles	Anna University- UCEV	04-01-2016	04-01-2016
5.	FDP on Multi-disciplinary approaches in chemical sciences	Anna University- BIT Campus	18-07-2016	31-07-2016
6.	FDP on Entrepreneurship Development	Anna University	13-02-2018	23-02-2018

➤ **International Conferences Participated:**

S. No	Conference title	Organizers	Duration	
			From	To
1.	1 st World Conference on Solid Electrolytes for Advanced Applications: Garnets & Competitors	Pondicherry University	06-09-2017	09-09-2017
2.	International Conference on Engineering Materials & Renewable Energy	Anna University- UCEV	04-01-2018	05-01-2018

➤ **Publications :**

a. **Books:** NIL

b. **International Journals:**

1. Studies on poly(8-hydroxy-azoquinolinephenylacrylate) and its metal complexes R. Sankar, S. Vijayalakshmi, S. Subramanian, S. Rajagopan & T. Kaliyappan, *J. Designed monomers and polymers*, 9, p 425. (2006).
2. Synthesis and metal uptake studies on poly(8-hydroxy-5-azoquinolinephenylacrylate-formaldehyde) resin and its metal complexes R. Sankar, S. Vijayalakshmi, S. Subramanian, S. Rajagopan & T. Kaliyappan, *J. Applied polymer science*, 104, p 797-802 (2007).
3. Synthesis and chelation properties of new polymeric ligand derived from 8-hydroxy-5-azoquinoline hydroxy benzene. R. Sankar, T. Kaliyappan, S. Vijayalakshmi, S. Rajagopan & S. Subramanian, *European Polymer Journal*, 43 (11), p4639-4646 (2007).
4. Synthesis and chelating properties of poly(2'4-dihydroxy acetophenone-N-phenylimine-formaldehyde) resin and its metal complexes R. Sankar, T. Kaliyappan, S. Vijayalakshmi, S. Rajagopan and S. Subramanian. *Journal of Applied Polymer Science* (2009).
5. A Chelating polymeric Schiff Base: Synthesis, complexation, characterization and Chelating properties R. Sankar, T. Kaliyappan, and S. Rajagopan *Designed Monomers and Polymers* (2009).
6. Synthesis, Characterization and Thermal Properties of new polymeric hydrazone derived from 2'4 dihydroxy benzophenone R. Sankar, T. Kaliyappan, and S. Rajagopan . *Journal of Applied Polymer Science* (2009).

c. **National Journals:** NIL

➤ **Conferences**

a. **International Conferences:**

1. Poly(ethylene Oxide) based composite gel polymer electrolyte for Li-S battery Application, 1st World Conference on Solid Electrolytes for Advanced Applications: Garnets & Competitors, 6-9th Sept 2017, Pondicherry University.
2. Metal ion recovery with azo polymers, International Conference on Engineering Materials & Renewable Energy, 4-5 Jan 218, page 123, Anna University UCEV.

b. **National Conferences:** NIL

DECLARATION:

I CERTIFY THAT THE INFORMATION FURNISHED ABOVE IS CORRECT TO THE BEST OF KNOWLEDGE AND BELIEF.

R. SANKAR

DATE: 24-07-2018

Signature With date