

RESUME



Dr. T. Uma Rajalakshmi
Assistant Professor,
Rani Anna Govt College for Women
Tirunelveli -627 008
TAMIL NADU

PERSONAL DETAILS

Date of Birth : 02/12/1975
Qualification : M.Sc., M.Phil., SET., PGDCA., Ph.D.,
Designation : Assistant Professor
Department : Department of Chemistry
Community : SC
Religion : Hindu
Nationality : Indian
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ACADEMIC QUALIFICATIONS				
Degree	Specialization	College	University	Year of Passing
UG	Chemistry	Sarah Tucker college Tirunelveli	M.S. University	1996
PG	Chemistry	Sarah Tucker college Tirunelveli	M.S. University	1998
M.Phil.	Chemistry	VOC college, Tuticorin	M.S. University	2001
SET	Chemical Sciences		Bharathiyar University	2006
PGDCA	Computer Applications		M.K. University	2007
PhD	Chemistry	Sri Paramakalyani College, Alwarkurichi	M.S. University	2022

TEACHING EXPERIENCE	
Date of Appointment	26/12/2007
Date of Retirement	31/12/2035
Teaching Experience	21 years
Research	Nano chemistry

COURSES/ CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
B.Sc.	Sri Sarada College for Women. Tirunelveli	2/01/2002	26.01.2007	5 years
B.Sc. & M.Sc.	SFR College Sivakasi	1/02/2007	10.12.2007	11 months
B.Sc. & M.Sc.	Rani Anna Government College (W) Tirunelveli	26/12/2007	Till Date	15 years

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (1/4)

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1.	Orientation	UGC	M.K. University Madurai 26.12.2007 to 24.01.2008
2.	Refresher Course	UGC	Bharathiyar University, Coimbatore 20.01.2010 to 9.02.2010
3.	Refresher Course	UGC	Kerala University. Trivandrum 26.02.2015 to 18.03.2015
4.	Refresher Course	UGC	M.K. University Madurai 6.12.2019 to 19.12.2019
5.	Refresher Course	UGC	Teaching, Learning Centre Ramanujan College, University of Delhi. 07.06.2022 to 21.12.2022

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried Out
M.Phil.	Synthesis and Characterization of some new mixed ligand complexes of Iron (III)	M.S. University
Ph.D.	Synthesis, Characterization and Photocatalytic Activities of Metal oxide Doped Biopolymer Nanocomposites	M.S. University

AREAS OF RESEARCH

Nano chemistry
Environmental Chemistry
Inorganic Chemistry

PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS INDEXED	WEB OF SCIENCE	UGC LISTED
0	0	0	1	6
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	PATENT
0	0	11	18	

PUBLICATIONS: SCOPUS INDEXED JOURNALS (0) WEB OF SCIENCE (1)			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1.	Evidence on temperature and concentration of reducing agents to control the nanoparticles growth and their microbial inhibitory efficacy.	Materials Research Express	2053 – 1591 /Vol.10/035002

PUBLICATIONS: UGC LISTED JOURNALS (6)			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1.	Facile Synthesis of ZnO Nanocomposite by An Alginate Mediated Process and A Case Study For, Photo catalytic degradation of MB Dye	International Journal of Advanced Scientific Research and Managements	82-86
2.	Synthesis of Bio Compatible ZnO / β – CD Nano Composite and Photocatalytic Degradation Study with Methylene Blue Dye no.3	Journal of Nanoscience and Technology	Vol.5/pp.745 – 747

3.	A Facile Route for the Fabrication of Nanocomposite by Effective Impregnation through the Biopolymer Matrix and Its Characterization.	Springer Nature Switzerland	pp.153-161
4.	Enhanced Role of Biopolymers in the Photocatalysis of Metal oxide doped Biopolymer Nanocomposites upon Methylene blue and Congo red dyes.	International Journal of All Research Education and Scientific Methods	Vol.9/pp.121-131
5.	Simple Biosynthesis of Silver/PVA Nanocomposites for Effective Antimicrobial Studies.	Journal of Emerging Technologies and Innovative Research (JEITR)	Vol.8/pp.738-745.
6.	Structurally modified Biopolymer Nanocomposite for the Photocatalytic Degradation of Methylene blue dye.	Journal of Advanced Scientific Research	Vol.13/pp.56-64.

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP
PAPER PRESENTED: National (1) International (10)**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	International Conference on New Advances in Chemistry and materials (ICNCM – 16)		5.01.2016 Department of chemistry and Research Centre Sarah Tucker College, Tirunelveli
2.	UGC sponsored Two-day National Conference on chemistry of Materials – NCCM -18	UGC	10 th & 11 th October 2018 The Research Department of Chemistry, Sadakathullah Appa College, Tirunelveli
3.	International Conference on Advanced Materials and their applications (ICAMS – 2018)		27.12.18 Dept. of chemistry, V.O.C. College, Tuticorin
4.	Two days international Conference on Nano Medicine (ICON – 2019)	DST-SERB, CSIR -INDIA	25th & 26th February 2019 M.K. University, Madurai
5.	International Conference on Advanced Topics in Interdisciplinary Research in Chemistry & Physics		12 th & 13 th March 2019. Sri. S. Ramasamy Naidu Memorial college, Satur
6.	National Symposium on Recent Advances in Physical Science		18 th & 19 th March 2019. PG & Research Department of Chemistry & Physics, Rani Anna Govt. College (W), Tirunelveli
7.	International Conference on “Advanced Materials”.		26 August 2019 Department of physics, Aditanar College of Arts and Science, Tiruchendur
8.	Second International Conference on Advanced Materials Chemistry at the Interfaces of Energy, Environment and Medicine (AMCI – 2020)		30 – 31 st January 2020 M.S. University, Tirunelveli

9.	International Seminar on Computational Environmental Earth Science – 2022).	DST-SERB and NCESS – MoES, Govt of India	29 – 30 April 2022 V.O.C College, Thoothukudi
10.	International Conference on Advanced Materials and their Applications –2022		29 – 30 September 2022 V.O.C College Thoothukkudi
11.	International Conference on Functional Materials		28/02/2023 Wavoo Wajeeha College of Arts and Science. Kayalpatnam

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP
ATTENDED: (3/2/2/1/10)**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	Lecture Workshop on Emerging trends in Chemistry		18 th to 20, July, 2014 Devanga Arts College, Aruppukottai
2.	Conference on material and Drug		27, August, 2014 Sarah Tucker College, Tirunelveli
3.	Seminar on Emerging trends in Chemistry		16, December, 2014 Sri Sarada college for women, Tirunelveli
4.	National conference on Biomaterials in Medical chemistry		12,13 April 2017 Dept of natural products chemistry, school of Chemistry Madurai Kamaraj University Madurai
5.	One day workshop on DrBRAmbedkar's vision in higher education		20.04.2017 Dept of economics and Directorate of Distance & continuing education B.Ed. MS University Tirunelveli
6.	One day National level multidisciplinary workshop on Research ethics new direction		31.08.2018 PG and research department of English StJohn's college Palayamkottai

7.	Two-day lecture workshop on Developments in chemistry		05,06-July2018 Dept of pharmaceutical chemistry, MS University Tirunelveli
8.	International seminar on advanced materials		23.09.2019 School of Chemistry Madurai Kamaraj University Madurai
9.	Free Online Tools for research		29 th July 2020 Sri. Meenakshi Government Arts and Science College Madurai
10.	Breast Cancer Awareness		17.07.2020 Arasu Women's College, Panduthakaranpudur, Manmangalam. Karur
11.	Everyone can do quality research		16.07.2020 Knowledge Institute of Technology Salem
12.	Five days virtual workshop on Analytical Instrumentation		5 th to 9 th July 2020 Crescent Institute of Science and Technology. Chennai
13.	International Webinar on Biomaterials and their Applications		14.06.2020 Dr. Sivanthi Aditanar College of Engineering Tiruchendur.
14.	Chemical Approach to Nanomaterials		27.10.2021 Nazareth Margo chis College at Pillaiyanmanai Nazareth, Thoothukudi.
15.	PEM Fuel and cells for electric vehicles and Heterogeneous catalyst design for desulfurization targeting clean environment.		28.06.2021 The American College, Madurai
16.	International Virtual Symposium on Recent Advances in Chemical Sciences		24 – 25 June 2020 Govt.Arts College Kumbakonam
17.	Cultural Studies		24.06.2020 Rani Anna Govt College (w). Tirunelveli.
18.	International webinar on innovative researches in chemical sciences		10 th July 2021 Govt. Arts College Trichy.020