Dr. A. Rajeswari

Designation : Associate Professor

Department : Chemistry

Email ID : rajibala22@gmail.com

Languages Proficiency

Read : Tamil & English

Write : Tamil & English

Speak : Tamil & English

1. Qualification

S. No.	Degree / Diploma / Certificate	Discipline	Name of the Institution	Year of Passing
1.	UG	Chemistry	GVG College For Women, Udumelpet	1990
2.	PG	Chemistry	P.S.G College of Arts and Science, Coimbatore	1992
3.	M.Phil.	Chemistry	P.S.G College of Arts and Science, Coimbatore	1993
4.	Ph.D.	Physical Chemistry	Madurai Kamaraj University	2015
5.	Certificate	Coordination Chemistry	NPTEL –Indian Institute of Technology, Kharagpur	Jul – Oct-2019

2. Teaching Experience / Other Experience

S. No.	Institution / Organization	From - To
1.	Fatima College, Madurai	(I) 17.6.97 to 12.9.97 -leave vacancy with UGC scale (ii)23.8.99 to 18.11.99 -Maternity leave vacancy with UGC scale (iii)13.6.2000 to 31.10.2000 -in the FIP vacancy (iv) 20.6.2001 to till date -regular vacancy

3. Position Held in Fatima (Vice Principal, HoD, Dean, Coordinator, Member etc.)

S. No.	Name of the Position	From - To
1.	Women's Cell Staff Incharge	2001 - 2005
2.	NSS Programme Officer & Co-Ordinator	2007 - 2010
3.	Staff Incharge for Student's Union	2012 - 2016

4.	Staff Club Secretary	2016 - 2017
5.	Member, IQAC	2017 - 2018
6.	Member, Discipline Committee	2015 - 2019
7.	library committee	2018 - 2019
8.	College Programme coordinator	2019 - 2022
9.	Dean of Science	2022-2023
10.	Coordinator for Room allotment committee	2023 – till date

4. Membership in Professional / Other Bodies / Committees

S. No.	Name of the Position	Name of the Institution	Duration
1.	Board of Examiner	MKU	2006 to till date
2.	Member, Board of Studies	Sourashtra College, Madurai	2016 - 2018
3.	Member, Board of Studies	Yadava College, Madurai	2017 – 2021

5. Areas of Specialization

- **Photo Chemistry**

6. Research Guides/Guidance Details

Research Details

S. No.	Name of the University in which Recognized as Guide	Registration Number	Date of Guideship Received	Ph.D. Guideship Details			
				Ongoing		Completed	
				Full Time	Part Time	Full Time	Part Time
1.	MKU ID NO. 2031/21	9.02.2023 (Scholar registration)	MKU23pFoS10811	---	1	---	----

Ph.D. Guidance Completed/Ongoing

S. No.	Student Name	Title of Thesis	Mode of Ph.D. (Full Time / Part Time	Registration Number	Date of Registration	Name of University/ Institution under which Registered	Registered/ Pursuing/ Submitted/ Pre-Viva/ Viva/ Awarded	Date (Submitted / Pre-Viva/ Viva/ Awarded)
1.	Sr.Sahaya Julie	Development of Electrochemically Active Nanocatalysts	Part Time	MKU23pfos10811	09.02.2023	Fatima College & MKU	Pursuing	---

		and Polymer Nano Composites for High Performance Fuel Cells						

7. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programme	Theme	Organized by	Date
1.	Orientation Programme	-	Mk University, Madurai	July 08 - Aug. 04, 2010
2.	Refresher Course	-	Soc-Mku, Madurai	July 12 - Aug. 01, 2012
3.	Training Programme	Psycho-Educational Skills at American College	The District Administration, MANASA, Madurai	Aug. 06 - 12, 2014
4.	Refresher Course	Recent Trends In Environmental Studies	Ugc-Hrdc, Mku, Madurai	Mar. 11 - 31, 2016
5.	Refresher Course	Basic Sciences	School Of Chemistry, Mku, Madurai	Mar. 09 - 29, 2018
6.	faculty development programme	science	school of education, The gandhigram rural institute, gandhigram	Jan. 21 - Feb. 01, 2019
7.	Refresher course	MOOC course	Ramanujam College University of Delhi.	July 14 - 28, 2021

8. Paper Presented on National/International Seminars, Workshops, Conferences & Symposiums

S. No.	Programme & Theme	Organized by	Date	Title of the Paper
1.	UGC Sponsored National Seminar on "Learning With E-Content Through Global Gateway"	Fatima College, Madurai	Mar. 24 & 25, 2009	Learning with E-content through Global Gateway
2.	Inter National Seminar on "Paradigm Shift in Contemporary Management Education"	Fatima College, Madurai	Jan. 11 & 12, 2010	Teaching & Learning in the 21st centaury
3.	UGC Sponsored International Seminar on "Global Recession & Its Impact"	Fatima College, Madurai	Jan. 22, 2010	Global Recession and its Impact on Profit Making Sectors
4.	UGC Sponsored International Seminar on "Dr. Ambedkar: Man of the Millennium for Social Justice"	Fatima College, Madurai	Feb. 15 & 16, 2010	Marching Towards Empowerment of Rural Women
5.	UGC Sponsored International Seminar on "An Analysis of Global Recession & Its Impact on Public in India"	Fatima College, Madurai	Feb. 22, 2010	An analysis of Global Recession & its Impact on Public in India
6.	UGC Sponsored National Seminar on "Renewable Energy Resources-Solar Power"	Yadava College, Madurai	Mar. 04, 2010	A Study of solar power for Indian homes in future
7.	UGC Sponsored National Seminar on	Yadava College, Madurai	Mar. 04, 2010	Production of Bio Diesel

S. No.	Programme & Theme	Organized by	Date	Title of the Paper
	"Renewable Energy Resources-Bio-Diesel"			from Edible Oils
8.	National Seminar on "Recent advances in applications of spectroscopy"	Fatima College, Madurai	Aug. 25 & 26, 2011	Effect of pH on the Quenching Reaction of Luminescent Ru(II) Polypyridine Complexes with Gallic Acid
9.	National Seminar on "Modern Trends in Chemistry"	PSNA college of engineering and technology	Feb. 23 & 24, 2012	Photoinduced Electron Transfer Reactions of Ru(II) Complexes with Polyphenolic Acid
10.	National Seminar on "Emerging Trends in Chemistry"	CPA college Bodinayakanur	Oct. 04 & 05, 2012	Photoinduced Electron Transfer Reactions of Os(II0 Complexes with Biologically Important Phenols
11.	UGC sponsored International Conference on "Solutions to Ecological Challenges : Multidimensional Perspectives"	The Research Centres of Economics, English & Tamil and the Depts. of Physics, Chemistry, Zoology & Home Science Fatima college, Madurai in collaboration with DHAN Foundation	Dec. 11 - 13, 2014	Ground Water Status in Madurai District-A Pilot Study
12.	National Seminar on "Recent Trends in Chemistry"	Jayaraj Annapackiam college for Women, Periyakulam	Jan. 11 & 12, 2017	Synthesis and Characterization and Antimicrobial Acitivities of TDPHTTA
13.	National Seminar on "Recent Advances in Chemical Research (RACR-2017)"	VHSN college, Virudhunagar	Jan. 24 & 25, 2017	The Effect of Additives on the Electro Deposition of Non-Cyanide Based Electrolytes
14.	International Conference on Frontiers in Chemical and Material Sciences	The Department of Chemistry, The Gandhigram Rural Institute, Dindigul.	-	Synthesis and Charecterisation of Acenaphthoquinone Containing Plymers for Carbondioxide Sequestration
15.	International Conference on Frontiers in Chemical and Material Sciences	The Department of Chemistry, The Gandhigram Rural Institute, Dindigul.	-	Synthesis of Covalent Organic Polymers by Friedel-Crafts Reaction For CO2 Capture Application
16.	International Conference on Advanced functional Materials for sustainable development	Jayaraj Annapackiam College ,Perriyakulam	Mar. 04, 2024	Primary Lithium Ion Conducting Battery Fabrication using Cassia Auriculata as Biomaterial Based Electrolyte

9. PARTICIPATED ON NATIONAL/INTERNATIONAL SEMINARS, WORKSHOPS, CONFERENCES & SYMPOSIUMS

S. No.	Programme & Theme	Organized by	Date
1.	UGC Sponsored National Seminar on "Medicinal Plants- Perspectives, Prospects & Challenges"	Gandhigram Rural Institute, Gandhigram	Dec. 20 & 21, 2003
2.	UGC Sponsored National Workshop on "Combating Violence Against Women"	Kristu Jyoti College, Bangalore	May 03, 2004
3.	National Seminar on "Environmental Science & Engineering"	RVS College of Engg. & Tech, Dindigul	Mar. 05, 2006
4.	UGC Sponsored National Seminar on "Modern Trends in Chemistry – MTC-6"	Vivekananda College, Madurai	Mar. 17 & 18, 2006
5.	State Seminar on "NMR Spectroscopy & Mass Spectroscopy"	Vivekananda College, Madurai	Sep. 13 & 14, 2007
6.	UGC Sponsored National Seminar on "Enhancing & Sustaining Quality in Higher Education: Intervention Strategies"	Fatima College, Madurai	Feb. 27, 2009
7.	UGC Sponsored National Seminar on "Nano structured Materials & Applications"	School Of Chemistry, MKU, Madurai	May 04, 2011
8.	Intercollegiate workshop on "Careers in Chemistry"	Yadava College, Madurai	Oct. 06, 2016
9.	Tamil Nadu State Council for Science and Technology Sponsored Workshop	Fatima College, Madurai	July 26, 2019
10.	UGC Sponsored International Conference	Arul Anandar College, Karumathur	Sep. 13, 2019
11.	Modern Instrumental and Charecterization techniques in Applied Sciences- 2020 (MICTAS-2020)	Uttarakhand Science Education and Research Centre (U- SERC)	July 05 & 06, 2020
12.	5-day International conference " Globel Service Learning – 2020"	Fatima College, Madurai	July 26 - Aug. 02, 2020
13.	NAAC sponsored National conference on " Quality Enhancement and Sustenance in Higher Education"	IQAC, the American College, Madurai	Mar. 06, 2020
14.	Online Lecture on " A Virtual Visit to the Home of Electronics"	SRM Institute of Science and Technology, Ramapuram Campus, Chennai -89	May 02, 2020
15.	Online Lecture on " A Systematic Approach Towards Molecular Docking and Drug Design"	SRM Institute of Science and Technology, Ramapuram Campus, Chennai -89	May 15, 2020
16.	Webinar on "Resetting Minds in Upsetting Times" – FDP programme	IQAC, Fatima College, Madurai	June 22, 2020
17.	Celebrating Women Hood in Challenging Times - Webinar	IQAC, Fatima College, Madurai	June 26, 2020
18.	FDP on Modern Trends and Current Research in Chemistry	Department of Chemistry, Sathyabama Institute of Science and Technology & IIT Madras	July 08, 2020
19.	International Virtual Conference on Modern Instrumental and Characterization Techniques in Applied Sciences	Uttarkhand Science Education and Research Centre (U-SERC)	July 05 & 06, 2020
20.	5-Day International Conference on "Global Service Learning- 2020" - Online programme	Fatima College, Madurai	July 29 - Aug. 02, 2020

S. No.	Programme & Theme	Organized by	Date
21.	FDP - National Webinar on Outcome Based Education	North East Institute of social sciences & research (NEISSR), Dimapur, Nagaland in collaboration with Private college Association Nagaland and Catholic commission for Higher Education Nagaland	July 22 & 23, 2022
22.	International Summit on Cyber Security - Social and Professional networking –ISCS-2023	Fatima college,madurai & Nest Academy of Management Education, Dubai.	May 25 - 30, 2023

10. Articles Published in Journals/Proceedings/Magazines/Books

S. No.	Journal/Proceeding/ Magazine/Book Name	Title of the Article	Month / Year	Vol. No.	Issue No.	Page No.	ISSN	Publisher
1.	Proceedings of UGC Sponsored National Seminar on "Recent Trends in Chemistry (RTC-6)	Photo Induced Electron Transfer Studies of Ruthenium (II) complexes with Tyrosine.	Jan. 2015	-		29	978-81-923038-5-7	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam
2.	Proceedings of UGC sponsored National Seminar on "Modern Trends in Chemistry – MTC-20	Electron Transfer Reactions of Ruthenium (II) Complexes with Gallic Acid in Cationic Micelle	Jan. 2015	-		10	978-93-85109-02-7	Post Gratuate and research Department of Chemistry, Vivekananda College, Tiruvedakam West
3.	Proceedings of UGC sponsored National Conference on "Frontier Areas In Chemistry (FAC- 2015)	Effect of pH on the rate of Quenching Reaction of Ruthenium (II) Complexes with Biologically Important Gallic Acid.	Feb. 2015	-		-	-	Thiagarajar College, Madurai, in Association with School of chemistry, Madurai Kamaraj University
4.	Journal of Luminescence	Electron Transfer Reactions of Ruthenium(II) Complexes With Polyphenolic Acids in Micelles http://dx.doi.org/10.1016/j.jlumin.2015.10.024	2015	170		8 - 16	-	Elsevier Publication
5.	Journal of Molecular Structure	Electron Transfer Reactions of osmium (II) Complexes with Phenols and Phenolic Acids http://dx.doi.org/10.1016/j.molstruc.2016.02.088	2016	1115		75-84	-	Elsevier -Science direct

11. Endowment Lectures Delivered

S. No.	Institution	Name of The Endowment	Theme/Title	Date
1.	Sourashtra College, Madurai	Association Inauguration	” Biological Importance of Vitamins in Human Health”	31.07.2024

12. Major Assignments (Chief Guest / Keynote / Judge etc.)

S. No.	Major Assignment	Institution	Theme/Title	Date
1.	Academic Audit	Vivekananda College	Academic Audit	April, 2014

13. Foreign Countries Visited on Academic Assignments/Training/Invited Programme

- International Summit on Cyber Security - Social and Professional networking –ISCS-2023 Fatima College, Madurai & Nest Academy of Management Education, Dubai 25.05.2023 To 30.05.2023