

Name : V. Raja Rajeswari
Designation : Associate Professor & Head
Department : Chemistry
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Educational Qualifications:

- M.Phil (1992) in Chemistry from Manonmaniam Sundaranar University, Tirunelveli.
- M. Sc (1991) in Chemistry from Sarah Tucker College, Tirunelveli.
- B. Sc (1989) in Chemistry from Sarah Tucker College, Tirunelveli.

Academic Affiliation:

- Associate Professor & Head, Sri Sarada College for Women, Tirunelveli, July 1993 to till date.

Research Interest

- Physical Chemistry
- Nano Chemistry
- Environmental Chemistry

Details of Book published:

Allied Biochemistry, Sri.G.V. Publications, Chennai.
(ISBN: 978-93-80499-76-5)

Professional Affiliation:

- Staff Club Secretary (1999-2000) Sri Sarada College for Women, Tirunelveli.
- Union Vice President (2003-2004) Sri Sarada College for Women, Tirunelveli.
- NSS Programme Officer (2006-2009) Sri Sarada College for Women, Tirunelveli.
- Staff Council Secretary (2009-2010) Sri Sarada College for Women, Tirunelveli.
- NAAC Coordinator (2011-12) Sri Sarada College for Women, Tirunelveli.
- IQAC Coordinator (2012-13 & 2013-14) Sri Sarada College for Women, Tirunelveli.

- Certificate Course Coordinator (2012-13), Sri Sarada College for Women, Tirunelveli.
- Convenor - National Workshop on Role of Yagna in Environmental Issues (21.09.2013), Sri Sarada College for Women, Tirunelveli.
- Convenor - National Seminar on Emerging Trends in Chemistry (16.12.2014), Sri Sarada College for Women, Tirunelveli.
- Member of Internal Advisory Committee - International Training Workshop on Increasing the Scholarly Impact and Research Output (02.03.2015), Sri Sarada College for Women, Tirunelveli.
- Convenor -National Seminar on 'Recent Advancements in Material Science (04.09.2015), Sri Sarada College for Women, Tirunelveli.
- Counsellor (2014-15) Sri Sarada College for Women, Tirunelveli.
- Updation of college information for JDC office (2014-15) Sri Sarada College for Women, Tirunelveli.
- Anti-Ragging and Drug De-addiction cell Coordinator (2015-16) Sri Sarada College for Women, Tirunelveli.
- Students Welfare and Discipline Dean (2015- 2018) Sri Sarada College for Women, Tirunelveli.
- Anti-Ragging and Drug and De-addiction cell Coordinator (2015-16) Sri Sarada College for Women, Tirunelveli.
- Roster Vice Principal (2018-2019) Sri Sarada College for Women, Tirunelveli.
- Secretary – National conference on issues and innovatives towards vital and value based quality higher education (6 & 7.2.2019) Organized by Internal Quality Assurance Cell (IQAC) Sri Sarada College for Women, Tirunelveli.
- College Magazine Co-ordinator (2019-2020) Sri Sarada College for Women, Tirunelveli.

- Chief Guest in Manila Payilarangu “Kavithai- Nadagam- Sirukathai” (12.3.2019) Sri Sarada College for Women, Tirunelveli.
- Resource person for the National webinar on ‘Nanotechnology in Polymers’(02.07.2020) organized by Department of Chemistry, Sri Sarada College for Women (Autonomous), Tirunelveli.

Other merits/contributions

- Kalam Arivu Maamani Award on the occasion of Dr.A.P.J Abdulkalam in the month of October 15, 2020 given by Kalam UV Foundation, Thai Ullam Arakattalai, Hosur Reach Media & JCI Hosur sipcot.
- Kalam Dream Star Award by Women Consumer Protection Association, Madurai on 1.11.2020.
- Life Achievement Award given by Novel Research Academy, Puducherry on 4.11.2020

List of Paper Presentation in (International / National Seminar) Conference

- National Conference on State of the Art Methodology to Enhance Teaching, Learning and Evaluation Process (27.08.2015) Organized by Sri Sarada College for Women, Tirunelveli.
- National Conference on Evolving Role of Libraries and Librarianship (23.01.2016) Organized by Sri Sarada College for Women, Tirunelveli.
- “Tribology- Branch of Material Science” National Conference on Advanced Physics (NCAP- 2017) Organized by the Department of Physics, Sri Sarada College for Women, Tirunelveli.
- “Bio-mediated Synthesis of Noble Metal (Au, Ag, Pt) Nanoparticles and their Applications- A Review” International Seminar on Multidisciplinary Research in Chemistry (06.09.2017) Organized by the Department of Chemistry, Sri Sarada College for Women, Tirunelveli.
- “Green Synthesis of Silver Nanoparticles” International Seminar on Multidisciplinary Research in Chemistry (06.09.2017) Organized by the Department of Chemistry, Sri Sarada College for Women, Tirunelveli.
- “Catalytic Activity of Nano compound in the organic synthesis” International Seminar on Multidisciplinary Research in Chemistry (06.09.2017) Organized by the Department of Chemistry, Sri Sarada College for Women, Tirunelveli.
- Green Synthesis, Characterisation of CdO nanoparticles and Zr ion doped CdO nanoparticles assisted *Acalypha indica* for photocatalytic application “International conference on Recent

Trends in Multidisciplinary Research in Chemistry -2018” (19.4.2018) Organized by V.O. Chidambaram College and Institute for Engineering Research and Publication (FERP)

- Chemical Synthesis and characterization of Multimetaloxide ZnO- MgO-ZrO₂ Nanocomposite “International conference on Recent Trends in Multidisciplinary Research in Chemistry -2018” (19.4.2018) Organized by V.O. Chidambaram College, Tuticorin and Institute for Engineering Research and Publication (FERP)
- Green synthesis and, Characterization and Biological activities of Cadmium oxide nanoparticles using Azadirachta indica leaf extract “International Conference on Advanced Materials and Their Applications” (27.12.2018) Organized by Department of chemistry, V.O. Chidambaram College, Tuticorin.
- Teaching Science – Issues and Solutions “National conference on issues and innovatives towards vital and value based quality higher education” (6 & 7.2.2019) Organized by Internal Quality Assurance Cell (IQAC), Sri Sarada College for Women, Tirunelveli.
- Synthesis of Plant mediated CdS Nanoparticles using Catharanthus Roseus Leaf Extract for its Biological Applications “Two-Day National conference on Materials in Sustainable Chemistry” (27 & 28.9.2019) Organized by Department of Chemistry, Sadakathullah Appa College (Autonomous), Tirunelveli.
- Green Synthesis of Iron Oxide Nanoparticles using Justicia Adatoda leaf Extract for its Antimicrobial Activity “Two-Day National conference on Materials in Sustainable Chemistry” (27 & 28.9.2019) Organized by Department of Chemistry, Sadakathullah Appa College (Autonomous), Tirunelveli.

Review/research Publications through proceedings/journals:

Year	Title of papers	Title of journals	Issue – Year No
2011-12	பச்சைக் கீரைகளில் வைட்டமின் சி ஐ கண்டறிதல்	தமிழக அறிவியல் பேரவை-பதினொன்றாவது கருத்தரங்கம்	ISBN-817735986-x
2012-2013	தாவரங்களின் வளர்ச்சியில் உரங்களின் பங்கு	தமிழக அறிவியல் பேரவை-பன்னிரண்டாம் கருத்தரங்கம்	ISBN -13-978-81-910508-5-1

2011-12	Determination of Protein in Various Pulses	Pragnavani	ISSN 2249-6017
2014-15	A Study on extraction, purification and molecular docking of Paracetamol from various pediatric syrup(16.12.2014)	Proceedings of Emerging Trends in Chemistry -2014	978-81-926-040-7-7
2015-16	1.Constructivism – The Role of both Teachers and Learners -(27.08.2015) 2.Determination of Ammonia in Water Samples(21.01.2016) 3. Library 2.0 – Full Featured OPAC – (23.01.2016) 4.Women Education - (10.02.2016) 5. Women Empowerment- (10.02.2016) 6.Women Hood – A Blessing (10.02.2016)	1. Proceedings of State of the Art Methodology to Enhance Teaching, Learning and Evaluation Process 2. Abstract of Advanced Materials and their Applications (NCAMA)-2016 3. Proceedings of Evolving Role of Libraries and Librarianship	1.978-81-926040-5-3 3. 978-81-926040-9-1
2017-18	1.Bio-mediated Synthesis of Noble Metal (Au, Ag, Pt) Nanoparticles and their Applications- A Review 2. Green Synthesis of Silver Nanoparticles 3. Catalytic Activity of Nano compound in the organic synthesis	Proceedings of Multidisciplinary Research in Chemistry -2017	978-81-933821-1-0
2017-2018	1. Green Synthesis, Characterisation of CdO nanoparticles and Zr ion doped CdO nanoparticles assisted <i>Acalypha indica</i> for photocatalytic application 2. Chemical Synthesis and characterisation of Multimetaloxide ZnO- MgO-ZrO ₂ Nanocomposite	IJSEM Journal IJSEM Journal	Volume 3, Issue 4 ISSN : 2456-1304 Volume 3, Issue 4 ISSN : 2456-1304
2018-2019	Green synthesis and Characterization and Biological activities of Cadmium oxide nanoparticles using <i>Azardirachta indica</i> leaf extract	Proceedings on ICAMA – 2018	
2018-2019	Teaching Science - Issues and Solutions	Proceedings on National conference on issues and innovatives towards vital and value based quality higher education	ISBN No:978-81-933821-6-5
2018-2019	Enhancing Performance through Personality Development	Good Beginning for a Great Success A Comprehensive Guide to Personality	ISBN No : 978-93-87374-76-8

		Development	
2019-2020	1.Synthesis of Plant mediated CdS Nanoparticles using Catharanthus Roseus Leaf Extract for its Biological Applications 2. Green Synthesis of Iron Oxide Nanoparticles using Justicia Adatoda leaf Extract for its Antimicrobial Activity.	Proceedings on Two-Day National conference on Materials in Sustainable Chemistry	ISBN No :978-81-938054-8-0
2019-2020	1.Green Synthesis, Characterisation and Antimicrobial Activities of Magnesium Oxide Nanoparticles Using Sesbania Grandiflora Leaf Extract. 2.Antimicrobial Activities of Biosynthesised Nickel Nanoparticles using Calotropis Procera Leaf Extract	Proceedings on International Conference on Expanding Frontiers in Chemistry (EFC-19)	ISBN No : 978-93-86712-89-9
2020-2021	Plant Mediated Synthesis, Characterisation of Zirconium ion doped Nickel Oxide Nanoparticles Using <i>Acalypha Indica</i> Leaf Extract for its Antimicrobial Activities	Proceedings on Fourth Virtual International Conference on Recent Trends in Multidisciplinary Research (ICRTMDR-2021)	Pg.no-75

Declaration

I hereby declare that, the information provided is true to the best of my knowledge.



Signature of the Faculty

V. Raja Rajeswari