

RESUME



Dr. P. VIJAYA
Assistant Professor of
Chemistry,
Rani Anna Government College
for Women
Tirunelveli-627 008

PERSONAL DETAILS

Date of Birth : 05.08.1978
Qualification : M. Sc., M. Phil., Ph. D., PGDCA
Designation : Assistant Professor
Department : Chemistry
Religion : Hindu
Nationality : Indian
Email ID : vijayabalachandar9902@gmail.com

ACADEMIC QUALIFICATIONS				
Degree	Specialization	College	University	Year of Passing
UG	Chemistry	Sri Sarada College for Women	Manonmaniam Sundaranar University	1998
PG	Chemistry	Department of Chemistry, Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	2000
M.Phil.	Chemistry	Bharathidasan University	Bharathidasan University	2005
Ph. D	Chemistry	Annamalai University	Annamalai University	2015

TEACHING EXPERIENCE	
Date of Appointment (Present position)	22.02.2007
Date of Retirement	31.08.2038
Teaching Experience	21 years
Research	16 years

COURSES/ CLAS SES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
UG: B. Sc Chemistry	Sri Sarada College for Women, Tirunelveli - 11.	31.1.2002	17.2.2007	5 yrs 17 days
UG, PG, M. Phil, (Chemistry) M. E (Chemical Engineering)	Annamalai University, Chidambaram.	22.2.2007	15.5.2015	10 yrs 2 months 21 days
UG, PG - Chemistry	Kamarajar Govt. arts College, Surandai.	16.5.2015	29.8.2019	2 yrs 3 months
UG, PG - Chemistry	Rani Anna Govt. College for Women, Tirunelveli.	30.8.2019	Till date	Presently working

ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR
1	Assistant to Chairman of Chemistry Board of Exams,	Annamalai University	2007, 2013,2014
2	Master of Ceremony of National conferences , Science Day celebrations	Annamalai University	2008 to 2013
3	Member of the organizing committee of National Seminar on Recent Trends in Heteroatom Chemistry (NSHAC – 2007)	Annamalai University	2007
4	Member of the organizing committee of UGC sponsored National workshop on Instrumental Techniques in Chemistry (WINTEC 07).	Annamalai University	2007
5	Member of the organizing committee of National Seminar on Recent Trends in Organic synthesis and chemical biology (RTSB – 2015)	Annamalai University	2015
6	Member of the organizing committee of National Seminar on New Trends in Chemistry (NTC – 2016)	Annamalai University	2016
7	Member of the organizing committee of National Seminar on Recent Advances in Chemical and Environmental Research (RACE – 2017)	Annamalai University	2017
8	Organized a National level E – Quiz in Chemistry “CHEM – QUIZZER” with 394 respondents all over the country	Rani Anna Government College for Women, Tirunelveli	2020

MEMBERSHIP		
S. No	Designation	Particulars
1.	Life member	Life member of Association of Chemistry Teachers – L. No: 1416
2.	Member of Board of Studies	Sarada College for Women, Tirunelveli.

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (0)			
S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Orientation course	ASC, Pondicherry University	Puducherry, 1.11.07 to 28.11.07
2	In – service training Programme	Annamalai University	Chidambaram 21.7.09 to 3.8.09
3	Refresher course in Nanoscience	ASC, Madras University	Chennai 8.11.11 to 28.11.11
4	Faculty development programme on Research Methodology	Annamalai University	Chidambaram 10.12.18 to 23.12.18
5	Refresher course in Chemistry	Madurai Kamaraj University	Madurai 13.2.20 to 26.2.20
6	Refresher Course in Chemistry – “Chemistry – The catalyst for change”	PMMMNTT, Teaching Learning Centre, Ramanujam College University of Delhi	Online 14.7.21 to 28.7.21

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
M.Phil.	Study of the fortnight variation of Physicochemical Characters of Pond water in Tirunelveli Town.	Bharathidasan University
Ph.D.	Synthesis, characterization and computational analysis of p- isobutylacetophenone azines	Annamalai University
M. Phil guidance	SYNTHESIS, STRUCTURAL, ELECTROCHEMICAL AND COMPUTATIONAL STUDIES OF UNSYMMETRICAL AZINES OF FLUORENONE	Annamalai University
Ph. D guidance	Number of Ph.D. scholars registered (presently doing) – 4	Manonmaniam Sundaranar University

AREAS OF RESEARCH

Computational Chemistry, Organic Synthesis, Molecular docking

PUBLICATIONS

BOOKS	BOOK CHAPTERS	SCOPUS INDEXED	WEB OF SCIENCE	UGC LISTED
2	2	8	3	13
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	PATENT
2	6	11	2	--

PUBLICATIONS: BOOKS (2)

S. No	Title of the Book	Publication	Year
1	Soft Skills – Tune up yourself	LAP LAMBERT Academic Publishing, Mauritius 978-6203201932	2021
2	Soft skills for career success	LAP LAMBERT Academic Publishing, Republic of Maldov, Europe	2021

BOOK CHAPTERS (2)			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No
1	Investigations on the electronic absorption spectra of some bivalent Cobalt and Nickel Schiff base complexes of Biological interest	Analytical Techniques in Monitoring the Environment, Editor – Prof. S. Jayarama Reddy	BN publications, ISSN/ ISBN No. 81-7800- 026-1; Article No:23
2	A red carpet for p – isobutylacetophenone to NLO world	International Conference on Advanced Materials Chemistry at the Interfaces of Energy, Environment and Medicine, AMCI-2019	Department of Chemistry Manonmaniam Sundaranar University, Tirunelveli – 627 012, Tamilnadu, India. ISBN: 978-93-81402-64-1 Article No: 35;P. no 126

PUBLICATIONS: SCOPUS INDEXED JOURNALS (8) WEB OF SCIENCE (3) & UGC LISTED			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	An efficient nanostructured zirconium modified TiO ₂ for detoxification of azo dye	Inorganic and Nano metal Chemistry	Published online: 14 Jun 2022, https://doi.org/10.1080/24701556.2022.2081197
2	Superficial sonication synthesis of a highly sunshine active metal modified ZnO photocatalyst and its multiple applications	Inorganic and Nano metal Chemistry	vol 52(3),2022, 429-440
3	Computational and spectral discussion of N-substituted chalcone derivative	Biointerface Research in Applied Chemistry	Volume 12, Issue 6, 2022, 7159 - 7176
4	In silico investigation on newly synthesized unsymmetrical fluorenone azines	International journal of Advanced Science and Technology	2020, Vol 29, No. 12s, 2163 – 2171.
5	DFT computational survey of antimicrobial 1,3-bis(4-methoxyphenyl)prop-2-en-1-one	Adalya Journal	2020, Volume 9, Issue 5, 295- 305.
6	An exhaustive electrochemical DFT survey of some nitro substituted	Adalya	2020, Volume 9, Issue 4, 295-314

	unsymmetrical azines paving way for frugal management of Chemical analysis		
7	Spectral and conformational studies on 3-pyridinealdazine by DFT approach	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2015, Volume 138, p. 660-666
8	A combined experimental and DFT study of a novel unsymmetrical azine 2-(4-methoxybenzylidene)-1-(1-(4-isobutylphenyl) ethylidene) hydrazine	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2015, Volume: 138:460-73
9	Structural and topological analysis of some isobutyl acetophenone azines sprouting out their asymmetrization effect	Journal of Molecular Structure	Volume 1051, 2013, p. 180-187
10	Study of the physico – chemical parameters of ground water of Sathanikulam Taluk, Tuticorin district	Journal of Current Sciences	2006, Vol.9(2) 863 – 868
11	Studies on ternary complexes of nickel(II) involving ligands with nitrogen, sulfur or oxygen as donor groups	Journal of the Indian Chemical Society	2002, Vol. 79, No. 1, 81-83

PUBLICATIONS: UGC LISTED OTHER INDEXED JOURNALS (2)

International: 1; National: 1

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg.No
1	A panoptic computational electrochemical profile of p-isobutylacetophenone local descriptors complement antifungal activity	Journal of Chemical & Pharmaceutical Research	2014, Vol. 6 Issue 10, p32
2	Variations of Physicochemical characters of Pond water at Tirunelveli	Journal of Ecobiology	2010, Vol.26(1), 189 – 194

AS A RESOURCE PERSON (0)			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Rasayan Vigyaan Forum	Sri Sarada College for Women, Tirunelveli	Sri Sarada College for Women, Tirunelveli - 23.7.2019
2	Chemistry Association Meeting	Kamarajar Govt. Arts College, Surandai	Kamarajar Govt. Arts College 14.10.19
3	Chemistry Association Meeting	Kamarajar Govt. Arts College, Surandai	Kamarajar Govt. Arts College 15.10.19
4	National Level Webinar on „Computational Chemistry – A Blessing in Disguise”	TDMNS college, Tirunelveli.	Online 4.6.20
5	Workshop Conducted for Teaching Staff handling Computational Chemistry Lab for PG chemistry students in all colleges affiliated to Manonmaniam sundaranar University	Manonmaniam sundaranar University	Online 22.1.23
6	workshop on computational softwares in Chemistry	V. O. Chidambaranar College, Thoothukdi	V. O. Chidambaranar College, Thoothukdi – 4.3.23

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP			
PAPER PRESENTED: National (0) International (0)			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	National conference on National Conference On Materials in Sustainable Chemistry (NCMSC“19)	Research Department of Chemistry, Sadakathulla Appa College	Sadakathulla Appa College 28.9.19
2	International conference on sustainable scientific advancement-	Sri Vinayaga college of Arts & Science, Vellore	Sri Vinayaga college of Arts & Science, Vellore 2019
3	International Conference on Recent Innovations in Biosustainability and Environmental Research -	DST - SERB	Annamalai University 2019
4	International conference on Advanced Materials Chemistry at the interfaces of energy, environment and Medicine	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University 2019
5	National Conference on New Vistas and Challenges in Chemistry-	Sathyabama University	Sathyabama University 2013

6	Novel synthetic and computational strategies in chemical sciences	DST - SERB	Annamalai University March 28 – 29, 2011.
7	Tamizhaga ariviyalperavai – patthavathu karutharangam	Manonmaniam sundaranar University	Manonmaniam sundaranar University 2010
8	National Seminar on New Frontiers in Chemistry	DST - SERB	Annamalai University 2010
9	Enhancing the quality and accessibility of higher education through ICT,	V. H. N. Senthikumara Nadar College, Virudhunagar	V. H. N. Senthikumara Nadar College, Virudhunagar 2009
10	The changing environment	Tirunelveli Dakshinamara Nadar Sangam College, T. Kallikulam	Tirunelveli Dakshinamara Nadar Sangam College, T. Kallikulam 2005
11	Conservation of environment and sustainable development,	V. O. Chidambaram college of education, Thoothukudi	V. O. Chidambaram college of education, Thoothukudi 2005

Date: 06.04.2023

NAME: P. Vijaya