

Name : Dr.G.Selvi

Designation :Associate Professor

Department :Chemistry

Qualification :M.Sc., M.Phil., Ph.D., PGDCA., PGDBI

Experience :Teaching -19Years

Research : 24 Years

Area of Specialization(s) :Organic Chemistry,Organo metallic Chemistry, Phytochemistry

Email (Official ID) : selvig@psgrkcw.ac.in



Academic Qualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
Ph.D.	Chemistry	Department of Chemistry, Bharathiar University	2004-2009
M.Phil.	Chemistry	Department of Chemistry, Bharathiar University	2001-2002
M. Sc.	Chemistry	Government Arts College, Coimbatore	1996-1998
B.Sc.	Chemistry	Nirmala College for Women,	1993-1996

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/AgencyName	Year
Certification	PG Diploma in Computer Applications	Tamil Nadu Computer Education	2000
Certification	PG Diploma in Bioinformatics	SDE, Bharathiar University, Coimbatore	2011
Certification	Course era	University of Manchester	2021
Certification	NPTEL	ARPIT, 2020, Swayam Platform.Ministry of Education .National Resource Centre	2021
Certification	International Online Certificate Course Microbiology Laboratory Techniques (Phase I)	SACRED HEART COLLEGE (AUTONOMOUS), TIRUPATTUR , TAMIL NADU, INDIA In association with Biotechnology Society of Nepal & Western Rio Janerio State University, Brazil	2023

Certification	International Online Certificate Course Bioanalytical Techniques (Part II) – Electrophoresis, Spectroscopy and Microbiology Lab Instruments	Sacred Heart College(Autonomous), Tirupattur, Tamil Nadu, India In association with Biotechnology Society of Nepal & Western Rio Janerio State University, Brazil	2024
Certification	ONLINE COURSE on “Basics of Remote Sensing Geographical Information System and Global Navigation Satellite system”	64th IIRS Outreach Programme through Nallamuthu Gounder Mahalingam College, Tamil Nadu	2020

Research Guidance

Programme	No.of Scholars	
	Completed	Pursuing
M.Phil.	4	-
Ph.D	4	5

Research Publications (Indexed)

International : 21

1. Tripodal Schiff base Tris [4-(4-nitrophenyl)-3-aza-3-butenyl] amine nanorod for selective detection of uric acid: <http://dx.doi.org/10.1016/j.inoche.2023.111235>
2. A short hydrophobic peptide conjugated 3,5- disubstituted pyrazoles as antibacterial agents with DNA gyrase inhibition : <http://dx.doi.org/10.1016/j.molstruc.2022.134661>
- 3.A study on improved synthetic strategy for novel triazino quinoline and its nonlinear optical properties: <http://dx.doi.org/10.1016/j.matpr.2020.04.125>
4. Luminescence cobalt (II) complexes: Synthesis, characterization, photophysical and DFT study : <http://dx.doi.org/10.1016/j.matpr.2020.03.252>

Book Chapter Published :1

1. *In silico* Approach Towards Antiinflammation and Anticancer Studies on Phytoconstituents Derived from Cissus quadrangularis

Short Term Course

1. One week FFDP on Injection Moulding by Central Institute of Petrochemicals Engineering & Technology (CIPET)

Letter of Appreciation

Resource Person :02

Acted as a Resource Person

1. DBT - Star College scheme supported 'Hands-on Training on Chromatography Techniques' on 02nd March 2017.
2. DBT - Star College scheme supported 'Hands-on Training on Chromatography Techniques' on 02nd March 2021
3. DBT - Star College scheme supported 'Hands-on Training on Chromatography Techniques' on 02nd March 2022.
2. International Seminar on “Recent Innovations in Medicinal Chemistry and its Applications in Industry”
3. Guest Lecture -:” Design and Development of Drug” October 2022, Govt Arts College, Avinashi

Reviewer in journal

1. Taylor and Francis
2. Elsevier
3. Oriental Journal of Chemistry

Paper Presentations in Conference

International :15

National :05

Presentations in Seminar : 63

Participation in Conference :12

Participation in Seminars :18

Participation in Workshop : 5

Participation in Faculty Development Programme:5

Participation in Webinar :25

Conference/Seminar/Workshop Organized

International Conference:02

Workshops:3

Seminar/ Lecture Series:03

Grants

1. Quinoline based cyclometallated iridium (III) and rhodium(III) complexes as potent anticancer agents (2018 - 2020) (GRG Trust)

2. Synthesis, Structural, Photophysical and Electrochemical study of Ir(III) Complexes with quinolone Schiff Base ligands (2017 -2018) (GRG Trust)

Photochemical investigation of cissusquadranularis and molecular docking studies of the isolated compounds (2016 – 2017) (GRG Trust)

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
The Indian Science Congress Association	Life Member	
. Indian Society of system for Science and Engineering	Life Member	

Indexing and Citations

1.H-index : 6

2.i-index : 4

3.CROSS REF index:10

Contribution

1. CHIRD Coordinator (Dept Level)
2. NET /SET coordinator (Dept Level)
3. ERP coordinator (Dept Level)
4. E-Cell coordinator (Dept Level)
5. NAAC Criteria 4 & 7 (Dept Level)
6. College Calendar