



CAUVERY COLLEGE FOR WOMEN
(AUTONOMOUS)
STAFF PROFILE

PERSONAL INFORMATION

1. Name : Dr. G. Sivasankari
2. Date of Birth : 17.05.1986
3. Address :



Residential	Office
No.4/22G, P.S.P. Colony, Anna Salai, 2 nd cross Dheeran Nagar, Trichy-09	Cauvery College for Women Annamalai Nagar Trichy-18

ACADEMIC INFORMATION

4. Designation & Department : Assistant Professor & Chemistry

5. Educational Qualification :

Degree	Year	College/University
B.Sc.,	2004	Aringar Anna Govt. Arts College
M.Sc.,	2007	University of Madras
Ph.D.,	2013	University of Madras

6. Researcher ID :

Google Scholar ID : <https://scholar.google.com/citations?user=HMkvTLcAAAAJ&hl=en>

Scopus ID : 57198512112

Web of Science

Researcher ID : AAJ-2036-2021

ORCID ID : 0000-0001-9745-8322

Vidwan ID : 205584

Mendeley ID : <https://www.mendeley.com/settings/account/>

Publons ID : AAJ-2036-2021

7. Experience :

Date of Joining	Institution	Year of Experience
16.06.2015	Cauvery college for women(Autonomous)	Till date

8. Areas of Specialization : Nano Electro Analytical Sensors**9. Languages known : Tamil and English****10. Subjects Taught :**

UG	General Chemistry Organic Chemistry Analytical Chemistry Nuclear, industrial chemistry and metallic state. Health Chemistry EVS
PG	Solid State Chemistry Physical Methods in Chemistry I &II Inorganic Chemistry Physical Chemistry Organic Chemistry Chemistry of Nanoscience and Nanotechnology Instrumentation Techniques

11. Research Supervision:

	Thesis Completed	Pursuing
M.Phil	02	NIL
P.hD	NIL	01

12. Details of Publications:

Journal Name & Volume	Year of Publication	ISBN Number	Name of the Paper	Impact Factor
GRD Journals- Global Research and Development Journal for Engineering ,Vol:1; Issue:9.	2016	2455-5703	Catalytic Oxidation of Dopamine at a Copper Hexacyanoferrate Surface Modified GNP Graphite Wax Composite Electrode	1.34

Cauvery Research Journal	2017	0975-1300	Electrocatalytic oxidation and amperometric determination of ascorbic acid by cadmium hexacyanoferrate anoparticles modified graphite- wax composite electrode	--
Journal of Chemical and Pharmaceutical Research, 12, 9, 119-126,	2017	0975-7348	Paracetamol Sensing using GNP-Cys-CdHCF Composite Electrode	0.20
Asian Journal of Pharmacy and Technology,8,2, 1-6,	2018	2231-5713	Dopamine sensor by Gold Nanoparticles absorbed redox behaving metal complex	0.43
Journal of chemical and pharmaceutical Research, 10(6), 1-6	2018	0975-7384	A Synthetic Approach on ZnO QuantumDot	0.20
Journal of chemical and pharmaceutical Research, 10(6), 7-15	2018	0975-7384	Synthesis, Characterization and Biological activities of 4-(1H-Benzimidazole-2-yl)-2,2':6'2"-terpyridine and its copper Complex	0.20

Journal of chemical and pharmaceutical Research, 2018, 10(6): 16-28	2018	0975-7384	Optical and EPR Spectral Investigation of VO(II) Doped in Aqualithiumaquabis (malonato)zincate Lattice	0.20
Asian journal of chemistry	2019	0907-7077	Selective Determination of Dopamine in presence of Ascorbic acid using Nafion coated methylene blue functionalized graphite electrode	0.35
Asian journal of research in chemistry and pharmaceutical sciences, 282-292,7	2019	2349-7106	Chemical sensor using GNP-CYS-ZnHCF (II) graphite wax composite electrode	3.0
Rasayan Journal of chemistry, Vol. 12 No. 4 1985 - 1991 October - December	2019	ISSN: 0974-1496	Epinephrine Sensor Developed On Mwcnt Modified Redox Behaving Metal Composite Electrode	1.2
Rasayan Journal of chemistry, Special Issue	2021.	ISSN: 0974-1496	GNP-Copper Hexacyanoferrate modified electrode for voltammetric Characterization and behavior in the presence of Butylated Hydroxy Anisole	1.2
Asian Journal of Chemistry	2022	ISSN: 0975-427X	Laccase Enzyme Catalyst Mediated Synthesis of Pyrimidines and its Antibacterial, Antifungal, Molecular Docking Studies“,	0.535
Research Journal of Chemistry and Environment	2023	0972-0626	An approach to widen the electrochemical sensor on dopamine based on the electrode of a MWCNT/RTIL/Cr HCF composite”	1.2

Modern Physics Letters B	2023	0972-0626	Study of structural and spectroscopic characterization of ZnS nanoparticles and its application as supercapacitor	1.9
European Chemical Bulletin	2023	1173-1203	Biosorption studies on the removal of heavy metals Copper and Chromium using chitosan nanoparticles based biocomposite	3.71
Modern Physics Letters B	2023	0972-0626	Nickel oxide nanoparticles: Synthesis and characterization	1.9

13. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
24-26.09.15,	ISAS, Munnar, Kerala	International conference on ANASAT-2015	“Amperometric Determination of LDopa by GNP-CdHCF Paraffin wax composite modified electrode in an” International conference on ANASAT-2015
28-30.12.2015,	Univeristy of Madras, Chennai	International Conference on Recent Trends in Analytical Chemistry-ICORTAC -2015	“A GNP-cys-CdHCF II Graphite wax composite electrode for the determination of Catechol”
28-30.12.2015,	Univeristy of Madras, Chennai	International Conference on Recent Trends in Analytical Chemistry-ICORTAC -2015	“A Gold anoparticles – Cystine-metal Hexacyanoferrate(II) graphite composite electrode for the determination of Hydrazine”.
28-30.12.2015,	Univeristy of Madras, Chennai	International Conference on Recent Trends in Analytical Chemistry-ICORTAC -2015	“Catalytic oxidation of dopamine at a copper hexacyanoferrate surface modified GNP graphite wax composite electrode”.
19.01.17	PG and Research Department of chemistry, St.Joseph’s College, Trichy-02.	National Conference on “Recent Advances in Chemistry Research and its Applications”	Amperometric determination of Hydrazine at Cerium Hexacyano ferate Nanoparticles modified electrode

19.01.17	PG and Research Department of chemistry, St.Joseph's College, Trichy-02.	National Conference on "Recent Advances in Chemistry Research and its Applications"	A Novel gallic acid sensor based on the CdHCF-NP/ Hydrophilic room temperature ionic liquid film
19.01.17	PG and Research Department of chemistry, St.Joseph's College, Trichy-02.	National Conference on "Recent Advances in Chemistry Research and its Applications"	Electrochemical characterization and catalytic activity of NiHCF modified towards oxidation of NADH
09.10.2017- 11.10.2017	VIT University Vellore	Second International Conference On Advances In Material Science	Spin- lattice Relaxation measurements & structural investigation of VO(II)ion doped in a paramagnetic host by EPR Study
09.10.2017- 11.10.2017	VIT University Vellore	Second International Conference On Advances In Material Science	Optical & EPR Spectral investigation of VO(II) doped in qualithiumaquabis(malonate) Zincate lattice
20.4.18 & 21.4.18	Sathiyabama Institute Of Science And Technology, Chennai.	National on Conference Lamsys	Epinephrine sensor developed on CNT modified NiHCF Composite electrode. (BEST PAPAR AWARD)
14.03.19- 15.03.19	International Conference on ICONNECT -2019.	Ramakrishna Engineering College, Trichy.	Development of CNT Modified Cohcf Composite Electrode For Epinephrine Sensor
14.03.19- 15.03.19	International Conference on ICONNECT -2019.	Ramakrishna Engineering College, Trichy.	Synthesis And Characterization of CNT Modified CoHCF Composite Electrode
01.07.2020- 02.07.2020	International conference on GSATMC - 2020	Cauvery college for women (Autonomous)	A Novel Approach For Preparing Chemically Modified Electrode With Nickel Hexacyanoferrate (BEST PAPER AWARD)
28.02.2024	International conference on ENHCS - 2024	Cauvery college for women (Autonomous)	CuO Nanoparticles Electrode for Hydrazine Sensor(BEST PAPER AWARD)
28.02.2024	International conference on ENHCS - 2024	Cauvery college for women (Autonomous)	Green Synthesis of Cu-Co Metal Nanoparticles Modified Electrode for Sensor Application

28.02.2024	International conference on ENHCS - 2024	Cauvery college for women (Autonomous)	Hydrazine Sensor on ZnO nanoparticles Electrode
28.02.2024	International conference on ENHCS - 2024	Cauvery college for women (Autonomous)	Hydrazine Sensor on Green Synthesis NiO Nanoparticles Graphite Wax Modified Electrode

14. Details of Seminars / Conferences / Workshops Attended:

Year & Date	Organizer	Title	National / International
20.02.2016	Sri Ramakrishna Engineering College.	“Vision Nano16”	National
02.03.2016	Sastra University,	Workshop on Instrumentation Chemistry”	National
22.08.2018	Cauvery College for Women	MOOCs and E-content Development	National
19.11.2018	Cauvery College for Women	Outcome Based Education	National
20.12.2018	Cauvery College for Women	Microsoft Education Tool One Note	National
02.2023-07.02.2023	Rajabhadur Venkata Rama Reddy Women’s College, Hyderabad, TamilNadu	NAAC SEVEN CRITERIA .	National

15. Details of Seminars / Conferences / Workshops Organized:

Date	Title	National / International	Topic
11-09-2017 to 14-07-2017	Workshop Foresight towards home spun product	--	Workshop Foresight towards home spun product
01.07.2020-02.07.2020	International conference on GSATMC - 2020	International	International conference on GSATMC - 2020

16. Details of Orientation / Refresher Course Attended:

Date	Title of the Course	Organizer
20.12.2018	Microsoft Education Tool one note	Cauvery college for women
5.01.2018	One day workshop on outcome based education mapping between program outcomes and course outcomes	Cauvery college for women
16.02.2020	Swayam online refresher course – online refreshers course in chemistry for higher education	Delhi University
June 2020- August 2020	CSIR-Summer Research Training Programme CSIR-STRP (online)	CSIR-STRP - Jorhat
10.02.23 to 10.03.23	30 hours Certificate Online Course on Research and Publication Ethics	Bishop Moore College , Mavelikara, Kerala
25.09.2023 to 30.09.2023	A six Day national Level Virtual Faculty Development Program on Emerging Modernization in Chemical Physical and Biological Science..	Department of Chemistry, School of Basic Sciences, VISTAS, Chennai

17. Details of Study Materials / Books written and published:

- Innovation of Ni(II) Metal Hexacyanoferrate Film on L- Cysteine Functionalized Gold Nanoparticles Graphite Wax Composite Electrode and Their Applications, August 2021, Ryan Publications, ISBN: 978-81-952337-2-4.
- Published book chapter on “Computational EPR and Optical spectral Investigation of VO(II) ion doped in Aqualithiumaquabis (Malonato) Zincate Lattice” in Bentham Books, ISBN: 978-981-5136-81.
- Published book chapter on L- Tryptophan sensor with voltammetric categorization and deeds in the presence of cerium hexacyanoferrate modified electrode May 2023 978-81-963053-2-1 Ryan Publishers, Trichy
- Published book chapter Electrochemical Sensor using Redox Behaving Metal Complexes May 2023 978-81-963053-2-1 Ryan Publishers, Trichy

- Published book chapter on Electrocatalytic oxidation of cysteine and ascorbic acid by a copper hexacyanoferrate (II) modified composite electrode May 2023 978-81-963053-2-1 Ryan Publishers, Trichy
- Published book chapter on Chemical sensor of l-tyrosine on GWCE/PolyCys/CoHCFNP modified electrode May 2023 978-81-963053-2-1 Ryan Publishers, Trichy
- Published book chapter on MWCNT/L-Cysteine/MnHCF composite electrode for butylated hydroxyanisole sensor May 2023 978-81-963053-2-1 Ryan Publishers, Trichy
- Published book chapter on Electrochemical manners of Surface Immobilized Copper Hexacyanoferrate film on L-Cystein -GNP capped on Graphite Wax Electrode for Uric Acid Sensor 2021 978-93-90471-88-1 Advances in Chemical Sciences. Integrated Publications, New Delhi

18. Details of Chairing as Resource Person:

Dr G Sivasankari	Applications of Analytical Chemistry, Sri Saradha Arts and Science College for Women, Perambalur Trichy.	31.08.2020
	First Aid for UG & PG Students and St. Joseph's College-Trichy.	04.03.2021
	Nuclear Chemistry, Government Arts College, Kulithalai, Karur.	04.04.2022-05.04.2022
	Ozone Day Awareness programme for School Children, AKKV Matriculation Higher Sec. School	30.09.2022
	Special Lecture on Air and Water Pollution, their Prevention and control" in PG and Research Department of Chemistry, St. Joseph's College(Autonomous), Trichy.	03.02.2023.
	Skill Enhancement Activity to Commemorate National Energy Conservation Day - Interdepartmental Competition in Poster Making	14-12-2023

19. Administrative Positions held in the College:

Nature of Position	Year
Acted as a Board Member for Question Paper Scrutinizing Committee, AVC Arts and Science College, Mannapandhal	2019

20. Details of In-Charge / Membership in Committees for Autonomous:

(NSS, NCC, Sports, Games, Voluntary Association and Cultural Activities):

Nature of Activity	Period of Incharge
Member of Research Ethical Committee	February 2022 to till date
Criterion III	February 2023 to till date

21. Details of In-Charge / Participation in Extracurricular Activities :

(NSS, NCC, Sports, Games, Voluntary Association and Cultural Activities):

Nature of Activity	Period of Incharge
Quiz Club In-charge, CCW	January 2018 to till date
CHEMSTAR club In-charge	2017-2018
Cultural In-charge	2023-2024

22. Details of Participation in Consultancy, Training, Development etc.:

Instrumentation Visit in Sastra University – 2019

23. Details of Membership in Academic Bodies/ Board of Studies and Reviewer Details:

- Acted as a Board Member for Question Paper Scrutinizing Committee, AVC Arts and Science College, Mannapandhal.
- London Journal Press from 01.06.2020 onwards. (Membership ID #YM82859)
- Blue eyes Intelligence Engineering & Sciences Publication- Working as Editorial Member for TEN JOURNALS with this publication from 15.01.2021 onwards (Membership ID: 202125)
- Working as a Reviewer for Rasayan Journal of Chemistry, IJAR, IJERT and GRD journals.
- Awarded “**Certificate of Excellence**” in Peer Reviewing “**BP International Publishers**”, in the year 2023

24. Details of Membership of Professional Bodies:

- Life member of Indian Society of Analytical Scientists from 2021.

25. Country visited: NIL**26. Any other information if any:**

- Created three e- content development for analytical chemistry.
- TNSCST Project Sanctioned in the year of 2019 for 7500/-
- Working as question paper setter for many autonomous colleges as well as Universities.
- Acted as organizing Secretary in International Conference on ENHCS-2024.
- Patent filed** “ HOME ENABLED SOLAR ENERGY STORAGE SYSTEM 397582-001” applied to The patent Office, Government of India.