



**CAUVERY COLLEGE FOR WOMEN**  
**(AUTONOMOUS)**  
**STAFF PROFILE**

**PERSONAL INFORMATION**

1. Name : Dr. V. SANGU  
2. Date of Birth : 09.01.1976  
3. PAN Number : BXXPS4168Q  
4. Address :

Residential	Office
No.999/A, Madhurapuri, LIC building street, Thuraiyur - 621010	Cauvery College for Women Annamalai Nagar Trichy-18

**ACADEMIC INFORMATION**

5. Designation & Department: Assistant Professor & Chemistry

**6. Educational Qualification:**

Degree	Year	College/University
B.Sc	1998	Seethalakshmi Ramaswami College –Bharathidasan university-Trichy
M.Sc	2000	Seethalakshmi Ramaswami College –Bharathidasan university-Trichy
M.Phil	2008	Alagappa University -Karaikudi
Ph.D	2015	Anna University – Chennai

6. Researcher ID :

Google Scholar ID : [https://scholar.google.com/citations?user=JD\\_OxCMAAAAJ&hl=en](https://scholar.google.com/citations?user=JD_OxCMAAAAJ&hl=en)

Scopus ID : 47562080300

Web of Science

Researcher ID : [AAJ-2184-2021](#)

ORCID ID : <https://orcid.org/0000-0002-5899-1789>

Vidwan ID : 206328

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

Publons ID : [AAJ-2184-2021](#)

**7. Experience :**

Date of Joining	Institution	Year of Experience(Years)
07-07-2001	Dhanalakshmi srinivasan college-Perambalure	2
18-08-2003	Vivekananda college of Arts and sciences -Thiruchengodu	3
02-06-2007	Paavai engineering college - Namakkal	6
16-06-2013	Shivani engineering college -Trichy	3
12-06-2017	Cauvery college for women -Trichy	Till date

**8. Areas of Specialization : Adsorption, Nano synthesis****9. Languages known : Tamil and English****10. Subjects Taught :**

<b>UG</b>	General Chemistry Organic Chemistry Physical Chemistry Health Chemistry Environmental Science Chemistry in everyday life
<b>PG</b>	Analytical Chemistry Physical methods in chemistry Organic chemistry Industrial chemistry Solid State Chemistry Physical Chemistry Molecular Spectroscopy

**11. Research Supervision:**

	Thesis Completed	Pursuing
<b>M.Phil</b>	<b>NIL</b>	<b>NIL</b>
<b>P.hD</b>	<b>NIL</b>	<b>NIL</b>

**12. Details of Publications:**

Journal Name & Volume	Year of Publication	ISBN Number	Name of the Paper	Impact Factor
Asian Journal of chemistry & Vol. No. 22	2010	0970-7077	Synthesis and characterization of Terpolymer	0.270
Asian Journal of chemistry & Vol. No. 26	2014	0970-7077	Adsorption of cadmium (II) ion from aqueous solution onto synthetic terpolymer: Isotherm and kinetic study',	<b>0.22</b>

Indian Journal of Chemical Technology, Vol.No:22	2015	0975-0991	Removal of Mercury (II) ion from the aqueous solution using synthetic polymer	<b>0.57</b>
Journal of Advances in Chemistry, Vol.No. 12(13)	2016	2455-7862	Insertion reaction between singlet carbenes and Alcohol: Mechanistic insight from ab initio DFT study	<b>1.32</b>
Journal of Advances in Chemistry, Vol.No.12(9)	2016	2455-7862	Characteristic investigation of a newly synthesised mannich base as a corrosion inhibitor for mild steel in hydrochloric acid	<b>1.32</b>
Asian Journal of Chemistry Vol.No. 24	2017	0975-0991	Synthesis and application of composite terpolymer for the removal of lead from aqueous solution	<b>0.368</b>
Indian Journal of Chemical Technology Vol.No.30	2018	0970-7077	Evaluation of Adsorption Capacity of Prosopis juliflora Seed Powder for Removal of Trace Elements from Aqueous Solution	<b>0.57</b>
International Journal of Research and analytical Reviews, Vol.no 06	2019	343-349	Environmental Friendly Extraction and Characterization of a Cellulose Nanofiber from Moringa Oleifera Softwood for the Preparation of Cellulose Nanofiber/PVA Composite	<b>5.75</b>
Indian Journal of chemical technology Vol, No. 28	2021	0970-7077	Green Synthesis and of silver nanoparticles using Ethanolic extract of mimosa pudica linn leaves	<b>0.57</b>
Research Journal of Chemistry and Environment, Vol. No. 25	2021	09720626	Sulphur nanoparticles: Synthesis using prosopis juliflora leaf extract, characterization and estimation of antibacterial ability	<b>0.54</b>
Research Journal of Chemistry and Environment, Vol. No. 27	2023	09720626	Green synthesis of magnesium oxide nanoparticles: characterization for sonocatalytic ability to remove Alizarin Red S dye in aqueous solution	<b>0.54</b>
Recent Advancements in Engineering and Technology (RAET – 2020)	2020	ISBN: 978-81-946168-3-2	Synthesis of metal nanoparticles: bottom up, top down approaches	-

Exploring New Horizons In Chemical Sciences - Ryan Publishers.	2024	e-ISBN 978-81-19587-23-0	Adsorption of Malachite Green on Green Synthesized Magnesium Oxide Nanoparticles Using Datura Metel Leaf Plant Extract	-
Exploring New Horizons In Chemical Sciences” Ryan Publishers.	2024	e-ISBN 978-81-19587-23-0	Comparative Study of Corrosion Inhibition Efficiency of Euphorbia Lactea Plant Latex and Magnesium Oxide Nanoparticle for Mild Steel in Acid Medium	-

### 13. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
18-03-2019	Department of Nano science and Technology, Alagappa - University, Karaikudi	3rd International Conference on Applied Nanoscience and Nanotechnology (ICANN - 2019)	Environmental Friendly Extraction and Characterisation of a Cellulose Nanofiber from Moringa Oleifera Heartwood for the Preparation of Cellulose /PVA Composite
07-01-2017	PG & research department of chemistry, jamal mohamed college (autonomous), -trichy	International Conference On Chemical And Environmental Research (ICCER-2017)	synthesis and application of new composite terpolymer for the removal of lead from aqueous solution
10-01-2014	Bishop Heber College (Autonomous), Thiruchirappalli	International Conference on International Conference on Chemistry in Synergy with Materials and Biology’,	‘Adsorption of cadmium (II) ion from aqueous solution onto synthetic terpolymer.
11-03-2014	Jamal Mohamed College (Autonomous), Thiruchirappalli,	International Conference on Chemical and Environmental Research,	‘Adsorption of Hg (II) and Cd (II) ion from aqueous solution onto synthetic terpolymer: Isotherm and kinetic study’,
03.01.2020	Jamal Mohamed College (Autonomous), Thiruchirappalli,	5th international conference on chemical and environmental research (ICCER-2020)	Green synthesis of silver nano particles using Prosopis juliflora plant leaf extract as reducing agent
29.07.2021 to 30.07.2021	St. Joseph’s college (Autonomous) - Tiruchirappalli, (Online mode)	International conference on Smart materials chemistry	Removal From Cd (II) From Aqueous Solution Using Nano Phosphorilated Carbon

**14. Details of Seminars / Conferences / Workshops Attended:**

<b>Year &amp; Date</b>	<b>Organizer</b>	<b>Title</b>	<b>National / International</b>	<b>Topic</b>
02.03.2016	Sastra University,	Workshop on Instrumentation Chemistry”	National	Workshop on Instrumentation Chemistry”
22.08.2018	Cauvery College for Women	MOOCs and E-content Development	-	MOOCs and E-content Development
<b>29.04.2020-30.04.2020</b>	Coimbatore Institute of technology - (under PMMMNMTT Scheme, Department of Higher Education, MHRD	<b>Workshops</b> - Virtual teaching	<b>National</b>	Virtual teaching <b>E-content development</b>
26.05.2020	Vivekananda college of arts and sciences for Women (Autonomous) Tiruchengode	<b>Workshops</b> - Virtual teaching	<b>National</b>	E-learning through power point presentation”
30.05.2020	Kongu Engineering College, Perundurai	Webinar	<b>National</b>	NANO - THE TINY WARRIOR
28.05.2020-29.05.2020	St.Joseph’s college (Autonomous)Tiruchirappalli, (Online))	Webinar-sustainable development	<b>National</b>	Material and Technology for Sustainable development
01.06.2020-02.06.2020	<b>Government Arts College, Trichy</b>	Webinar	<b>National</b>	<b>Two days webinar on Smart Topics in chemistry</b>
29.07.2021 To 30.07.2021	St.Joseph’s college (Autonomous)Tiruchirappalli, (Online))	conference on Smart materials chemistry	International	Removal From Cd(II)From Aqueous Solution Using Nano Phosphorilated Carbon
08.03.2022-12.03.2022	Entrepreneurship and Career HubUniversity of Madras	FDP-RUSA-2.0 Scientific Tools for Startup	International	Scientific Tools for Startup
21.02.2021	Cauvery college for women, Trichy	FDP overview of IPR patent and filing	<b>National</b>	overview of IPR patent and filing

**15. Details of Seminars / Conferences / Workshops Organized:**

<b>Date</b>	<b>Title</b>	<b>National / International</b>	<b>Topic</b>
<b>28 &amp; 29 March 2017</b>	<b>(ICONNECT2K17)</b>	<b>International</b>	<b>International Conference on Newer Engineering Concepts and Technologies</b>

**16. Details of Orientation / Refresher Course Attended:**

Date	Title of the Course	Organizer
23-04-2010To 24-04-2010[	AICTE sponsored seminar	Paavai engineering college
11-09-2017to 14-07-2017	Foresight towards home spun product	Cauvery college forwomen- Trichy
29-10-2018to 02-11-2018	Capacity Building Workshop onE- Content Development	Cauvery college forwomen- Trichy
22-04-2019 to 23-04-2019	Capacity Building Workshop on E- Content Development	Cauvery college for women- Trichy

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

**Published book chapter entitled** “Synthesis of nanomaterialsby top down and bottom-up method” Recent Advancements in Engineering andTechnology, Chapter no:8, ISBN NO: 978-81-946168-3-2

**18. Details of Chairing as Resource Person:**

**Resource person** – for refresher course on “Resent trends in Organic chemistry” -to B. Sc Chemistry students at Government arts and science college-Kulithai-from 07-04-2022 to 08-04-2022

**19. Administrative Positions held in the College: Nil****20. Details of In-Charge / Membership in Committees for Autonomous: Nil****21. Details of In-Charge / Participation in Extracurricular Activities:**

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

Nature of Activity	Period of in charge
CHEMSTAR club In-charge	2019-2020

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

**Board of Studies member -Bharathidasan university for three year from**

**27.09.2021 on wards**

**Reviewer -Oriental journal of chemistry**

**24. Details of Membership of Professional bodies: Nil****26. Any other information if any:**

- **BOS number 2021 – 2024, Bharathidasan university, Chemistry Board.**
- **BOS number 2024 onward, For Bharathidasan University, online and distance education -Chemistry Board.**
- **Life time member – Society for material chemistry- Homi Bhabha National institute (DAE-Mumbai).**
- **Seed Money -Grant Project Sanctioned by Cauvery college for women (Autonomous) in**

the year of 2022 for /- Rs. 1,5000

- Mooc course completed

<b>Name of the Mooc course organiser</b>	<b>Name of the course</b>	<b>Year of completion</b>	<b>Grade obtained</b>
<b>NPTEL</b>	Conversation of waste into energy	Jan – March 2017	Elite+ Gold with topper in (top 1%)
<b>NPTEL</b>	Chemical principle -II	Jan-Apr 2019	Elite+ Silver Topper
<b>NPTEL</b>	Bio energy- (FDP- Refresher course)	July -Sep2019	Elite+ Gold topper in (top 1%)
<b>NPTEL</b>	Basics in Inorganic Chemistry (FDP- Refresher course)	Jan-Feb 2020	Elite+ Silver