

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

**PERSONAL INFORMATION**

1. Name : Dr.R.SUBHA  
2. Date of Birth : 29/11/1982  
3. Address :

Residential	Office
No:5, Thiyagaraja Nagar, Near Vekkaiamman Kovil Woriyur Trichy-620009	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	2003	P.S.G.R Krishnammal college for Women, Bharathiar University
M.Sc	2005	P.S.G.R Krishnammal college for Women, Bharathiar University
Ph.D	2011	Bharathiar University, Coimbatore

6. Researcher ID

SCHOLAR: <https://scholar.google.co.in/citations?user=DmNanSQAAAAJ&hl=en>

ORCID: <https://orcid.org/0000-0002-8675-1977>

SCOPUS ID:AAJ-8173-2021

MENDELEY:

WEB OF SCIENCE: <https://publons.com/researcher/AAJ-8173-204>

PUBLONS: <https://publons.com/researcher/AAJ-8173-204>

VIDWAN:205664

- 7.Experience :

Date of Joining	Institution	Year of Experience
26-.01-2011	Oxford Engineering College, Trichy	2 years 4 months
24 -06-2013	Karpagam Institute of Technology	4 years 11 month
05-12-2018	Cauvery college for women –Trichy	Till date

- 8.Areas of Specialization : Nano Chemistry, Collids and Surface , Photocatalyst

9. Languages known : Tamil, English, French

10. Subjects Taught :

UG	Physical Chemistry -I&II, Professional skills, Inorganic chemistry, Forensic chemistry , Environmental studies, Chemistry in Everyday life
PG	Solid State Chemistry, Biororganic chemistry, Forensic chemistry, Organic chemistry

### 11. Research Supervision:

	University from where guideship obtained	Thesis		
		Completed (in numbers)	Year of Completion	Pursuing (in numbers)
Ph.D	Anna University	-	-	-
	Karpagam University	-	-	-
	Bharathidasan University			-

### 12. Details of Publications

Journal Name & Volume	Year of Publication	ISBN Number	Name of the Paper	Impact Factor
Chinese Institute of Environmental Enginnering, Taiwan, 18	2008	1022-7636	Modeling of adsorption isotherms and kinetics of 2,4,6- TCP onto micro porous ZnCl <sub>2</sub> activated coir pith carbon.	0.53
Canadian Journalof Civil Engineering 8	2009	12086029	Kinetics and isotherm studies for the adsorption of phenol using low cost micro porous ZnCl <sub>2</sub> activated coir pith carbon.	0.34
Indian Journalof Chemical Technology, 16	2009	0975-0991	Zinc chloride activated coir pith carbon as low cost adsorbent for the removal of 2, 4- Dichlorophenol: Equilibrium and Kinetic studies.	0.5
Bioremediation Journal (Taylor & Francis, UK),14	2010	1088-9868	ZnCl <sub>2</sub> - modified activated carbon from biomass coir pith for the removal of 2-Chlorophenol by adsorption process.	1.25

<b>Journal of Solid Waste technology and Management</b>	<b>2011</b>	1088-1697	Removal and Recovery of PCP onto low cost nano porous carbon surface: Kinetics and Isotherms	<b>1.0</b>
<b>Separation &amp; Purification Technology</b>	<b>2013</b>	1383-5866	Batch separation studies for the removal of heavy metal ions using a chelating terpolymer: Synthesis, Characterization an isotherm models,	<b>3.93</b>
<b>Polymer International</b>	<b>2014</b>	0959-8103	Separation of metal ions by the influence of a cation exchange terpolymer involving 2-amino-6-nitrobenzothioazole-ethylene diamine formaldehyde	<b>2.35</b>
<b>International Journal of Renewable energy and Environmental Engineering,</b>	<b>2015</b>	2008-9163	Effect of process in the production of Biodiesel through Transesterfication-Review	<b>2.09</b>
<b>International Journal of Applied Engineering Research</b>	<b>2016</b>	09734562	Elman Neural network mortality predictor for prediction of mortality due to pollution	<b>0.5</b>
<b>International Journal of Chemical Sciences, in press</b>	<b>2017</b>	0972768	Equilibrium and kinetic studies for the biosorption of Cd (II) in aqueous solution onto almond gum,	<b>0.5</b>
<b>Research Journal of Chemical &amp; Environemtal Sciences</b>	<b>2017</b>	2321 - 1040	Surface optimization of nano porous Ceiba pentandra hull carbon for the removal of methylene blue from aqueous solution: Kinetics and Isotherms	<b>2.59</b>

<b>Ionics</b>	<b>2021</b>		Enhanced Electrochemical performance of aminophenol modified ZnO as electrode material for Supercapacitors	<b>2.63</b>
---------------	-------------	--	--	-------------

### 13. Details of Papers Presented:

<b>Date</b>	<b>Organizer</b>	<b>Name of the Seminar</b>	<b>Paper Name</b>
<b>13.03.2019</b>	<b>K.Ramakrishna College of Engineering and Technology</b>	<b>ICONEEEA 2K19</b>	<b>Inhibition effect of Cetyl trimethyl ammonium bromide on the corrosion behavior of mild steel in 0.1M H<sub>2</sub>SO<sub>4</sub></b>
<b>18.03.2019</b>	<b>Gandhigram university</b>	<b>International conference on research Intitatives in chemistry for Sustainable development</b>	<b>Optimization of ZnO/Mgo impregnated ceiba pentandra hull carbon for the removal of basic dye from aqueous solution</b>

### 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>
<b>24.07.2019-26.07.2019</b>	<b>PMO-IEDP-Anna Univeristy</b>	<b>FDP</b>	<b>Regional</b>	<b>FDP in Entreprneurship and Innovation</b>
<b>22.11.2019-23.11.2019</b>	<b>PMO-IEDP-Anna Univeristy</b>	<b>Workshop</b>	<b>Regional</b>	<b>Intellectual Property rights and Entrepreneurship</b>
04.04.2021	Nadhi Knowledge Partners	HACCP, ISO 22000:2018 & FSSC 22000 Version 5 Training	National	HACCP, ISO 22000:2018 & FSSC 22000 Version 5 Training
28.04.2021	Brand India	Workshop	National	Workshop on Socal Entrepreneurship and Funding organized by Brand India
24.05.2021	Anna University , Trichy	Webinar	Regional	Experiences on Faculty Innovation and Entrepreneurship
23.08.2021 to 27.08.2021	ATAL, AICTE	Online FDP	National	FDP on Agi Entrepreneurship

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

1. DST sponsored programme – WEDP for science graduates on 02.02.2021 to 03.03.2021 for Rs.1,00,000
2. Impact Lecture Series in the month of October, 2021 in Entrepreneurship and Innovation sponsored by Ministry of Education and Innovation Cell for Rs.12,000

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

<b>Date</b>	<b>Title of the Course</b>	<b>Organizer</b>
<b>20.12.2018</b>	<b>Microsoft Education Tool one note</b>	<b>Cauvery college for women</b>
<b>5.01.2018</b>	<b>One day workshop on outcome based education mapping between program outcomes and course outcomes</b>	<b>Cauvery college for women</b>
<b>June to August 2020</b>	<b>CSIR-Summer Training Progrm  CSIR/SRTP/2020/NEIST/4891</b>	<b>CSIR</b>
<b>30.06.2021 - 30.07.2021</b>	<b>Innovation Ambassdor Training level</b>	<b>Ministry of Education</b>
<b>05.06.2021 - 09.06.2021</b>	<b>Virtual Trasiners Training Program on Entrepreneurship</b>	<b>EDII, Ahmedbad</b>
<b>19.01.2022 - 25.01.2022</b>	<b>UGC sposed Onlien short term course in Entrepreneurship and Skill Development</b>	<b>UGC-HRD Bharathidasan Univeristy</b>

**17. Details of Study Materials / Books written and published: 01****18. Details of Chairing as Resource Person:**

<b>Date</b>	<b>Title of the Seminar/Conference</b>	<b>Session Chaired</b>
<b>08.05.2021</b>	<b>Career Inclined towards Technology Innovation</b>	<b>Dhaanish Ahmed Institute of Technology, Coimbatore</b>
<b>January 2018</b>	<b>Recent trends in water treatment and its applications</b>	<b>Nehru Institute of Technology, Coimbatore</b>
<b>August 2020</b>	<b>Scope of Nanomaterials in water crisis</b>	<b>Nehru Institute of Technology, Coimbatore</b>
<b>December 2021</b>	<b>Innovation and Entrepreneurship</b>	<b>Valluvur College of Arts and science</b>
<b>January 2022</b>	<b>Technology Innovation in Water</b>	<b>Cauvery College for Woemn</b>

**19. Administrative Positions held in the College:**

Nature of Position	Year
ED Cell Coordinators	From 5.12.2018 till date
IIC Coordinator	From January 2020 till date
ARIIA, Nodal Officer	From January 2020 till date
NISP, NODAL Officer	From December 2020 till date
SMART INDIA HACKATHON, SPOC Officer	From March 2022 till date
KAPILA, NODAL Officer	From March 2022 till date

**Entrepreneurship Development Cell Coordinator**

- Coordinating The Student Incubation Centre
- Mentoring Student Campus Company's
- Mentoring students in loan disbursement activities for student start up
- Mentor for student project ventures
- Entrepreneurship Course mentors
- Organized various entrepreneurial training programmes and seminars for students in the campus from 2011 till date
- Institution's Innovation Ambassador
- EDII Trainer in entrepreneurship

**20. Details of Incharge / Participation in Extracurricular Activities :****(NSS, NCC, Sports, Games, Voluntary Association and Cultural Activities):**

Nature of Activity	Period of Incharge
--	-

**21. Details of Participation in Consultancy, Training, Development etc.: Nil****22. Details of Membership in Academic Bodies/ Board of Studies:****Indian Chemical Society,****Life member of Society of Biological chemist****25. Countries visited academically: Nil****26.. Any other information if any:****a. REVIWER****Bioremediation Journal (Taylor & Francis Group)**

**b. Awarded CSIR-SRF during the research period 2008-2010, Awarded Sixth University rank in Bharathiar University for PG**

**c. Papers Presented in Conference**

- 1. Subha. R**, D. Sangeetha and C. Namasivayam Adsorption of Oxy-anions onto Low Cost Microporous Carbon Surface: Kinetics and isotherms, National Conference on Environment and Sustainable Development, Bharathidasan University, Trichy. February 16-17, **2006**.
- 2. Subha. R** and C. Namasivayam. Kinetics and isotherm studies for adsorption of phenol using low cost micro porous ZnCl<sub>2</sub> activated coir pith carbon, National seminar on Advances in Research and Innovations in Chemistry, Department of Chemistry, PSGR Krishnammal College for Women, Coimbatore, Tamilnadu, September 27-28, **2007**
- 3. Subha. R** and C. Namasivayam. ZnCl<sub>2</sub> modification of coir pith activated carbon for the removal of 2- Chlorophenol by adsorption process, National seminar on Role of Chemistry in Monitoring and Management of Environment, Department of Chemistry, S.V. University, Tirupati, February 16-17, **2009**.
- 4. Subha. R** and C. Namasivayam. Zinc chloride activated coir pith carbon as low cost adsorbent for removal of 2,4-DCP: Equilibrium and Kinetic studies, National conference on Current trends in Environmental Science & Sustainable Development (NCESD - 2009), Dept of Environmental Sciences, Mysore University, Mysore, February 27 – 28, **2009**.
- 5. Subha. R** and C. Namasivayam, Process development for removal and recovery of pentachlorophenol onto low cost micro porous carbon surface: Kinetics and isotherms, International conference on Environment, Occupational & Lifestyle Concerns Transdisciplinary Approach, Regional Occupational Health centre, Bangalore. September, 16-19, **2009**
- 6. Subha. R** and C. Namasivayam. Modeling of adsorption isotherms and kinetics of 2,4,6-trichlorophenol onto micro porous ZnCl<sub>2</sub> activated coir pith carbon, National seminar on Emerging trends in Environment and Development with a focal theme on Climate change and Water resources, Department of Environmental sciences, University of Kerala, Thiruvanthapuram. October 8-9, **2009**.
- 7. Subha. R** and C. Namasivayam, Simultaneous Uptake of phenol and 2-chlorophenol using C-18 column onto nano porous ZnCl<sub>2</sub> activated carbon from water, International conference on BIOFEST 2012, Bright organization held at Leonia International,

Hyderbad, **December 11-13, 2012.**

8. **Subha. R** and C. Namasivayam , Nano porous carbon for the removal of phenol and 2,4-dichlorophenol from water using C-18 column, International conference on Advancement on Sustainable Management & Environment, St.Xavier's College, Nagerkovil, **April,10-11, 2014.**
9. **Subha. R** and C. Namasivayam, Nano porous carbon for the removal of phenol from water using C-18 column, National conference on Advancement in Material Science, Coimbatore Institute of technology, Coimbatore, **September 26 -27, 2014.**
10. **Subha. R** and C. Namasivayam, Nano porous carbon for the removal of Dichlorophenol as bisolute from water using C-18 column, National Conference on Recent Trends of green and medicinal chemistry, Karpagam University, Coimbatore, **March 11, 2015.**
11. **Subha.R** and C. Namasivayam, Applications of nano porous carbon for the crystal of phenol and 2-chlorophenol as bisolute from water using HPLC, International conference on System, Science, Control, Communications, Engineering & Technology, Karpagam Institute of Technology, Coimbatore, **187-190, March 2015.**
12. **Subha.R** and O.A.Sridevi, Treatment methods for the removal of phenol from water- Review, International conference on System, Science, Control, Communications, Engineering & Technology, Karpagam Institute of Technology, Coimbatore, **191-194, March 2015.**
13. **Subha.R** and D.Sudha, 2-Diemthyl amino ethanol as a non toxic corrosion inhibitor for auestentic stainless steel 304 in 1 M HCl solution, International conference on System, Science, Control, Communications, Engineering & Technology, Karpagam Institute of Technology, Coimbatore, **195-197, March 2015.**
14. **Subha.R** and C. Namasivayam, Simultaneous adsorption of phenol and 2,4,6-TCP onto nano porous carbon from binary mixture: Multicomponent adsorption, thermodynamic and kinetic study, International conference on System, Science, Control, Communications, Engineering & Technology, Karpagam Institute of Technology, Coimbatore, **1-190, March 2016.**
15. **Subha.R** and O.A.Sridevi, Recent methods for the uptake of phenol from nanoparticles- Review, International conference on System, Science, Control, Communications, Engineering & Technology, Karpagam Institute of Technology, Coimbatore, **1-190, March 2016.**
16. **Subha.R** and C. Namasivayam, Inhibition effect of 2-Dimethylamino ethanol on the corrosion behavior of austenitic stainless steel 304 in 0.1 M H<sub>2</sub>SO<sub>4</sub>, International conference on System, Science, Control, Communications, Engineering & Technology, Karpagam Institute of Technology, Coimbatore, **1-190, March 2016.**
17. **Subha.R**, Re-use of nano porous carbon from waste biomass for the removal of



organics from water, National conference held at SRM University on April 2016.

18. **Subha.R**, Corrosion inhibition of mild steel in 1M HCL at National Conference held in Sri Sakthi College of arts&Science, Pollachi on August 2017.

19. **Subha.R**, Application of nano porous carbon for the removal of a cationic dye from aqueous solution: Kinetics and Isotherms , National conference held at SRM University on October 13 th 2017.

20. **Subha.R**, Surface optimization of nano porous ceiba pentandra hull carbon for the removal of Rhodamine 6G from aqueous solution: Kinetics and Isotherms, Kalam Young Research Conference held at Central electrochemical Research institute, Karaikudi. On October 16 th 2017.

### **Workshops/Conference attended**

21. National Seminar on “Water Vision” organized by Department of Chemistry, PSGR Krishnammal College for women, Coimbatore, October 6-8, 2005.

22. National Conference on “Frontiers in Environmental Sciences and Engineering in India” Organized by Department of Environmental Sciences, Bharathiar University, Coimbatore, Sept. 15-17, 2005.

23. Workshop on Spectroscopy and its applications organized by Kongnadu Arts and Science College & Indian Academy of Sciences, Bangalore, February 26-27, 2005.

24. National Conference on “Environmental Challenges and Management” organized by Department of Environmental Sciences, Bharathiar University, Coimbatore, March 8-9, 2007.

25. Seminar on “Total pure water solutions” organized by Millipore, held at Bharathiar University, Coimbatore.

### **Lock Down activities**

Facilitating 30 students for the Foundation certificate course organized by Wadhvani and EDII, Chennai Mentor for the certificate course on Innovation and Entrepreneurship Development (52 students) by Tamilnadu Open University and EDII.

### **Events organized in E Cell**

- Three days online training for school students on Creative works from 29.04.20 to 1.04.20
- Online Seminar on Entrepreneurship 4.0 by Dr.Kably, Academic Cooperate Trainer, Muscat Oman on 29.04.20
- Three days online Session on Entrepreneurial Skills by Anu Hasan and Jayashree from 30.04.20 to 2.05.20
- Webinar on Don't stop Dreaming by Srividhya Srinivasan on 10.05.20
- Competition on Creative Kidoos for school students on 5.05.20

### **Faculty Development Programmes**

- Research Methodology on 27.04.20 organized by Bharathiar University of Arts and Science
- Challenges in building Collaboration in Research & Innovation by Dr.M.G.R Education Institute on 11.05.20

### **Online Course**

- Two days online course on Elemental Arts: Evolution of Modern Periodic Table organized by Sri Krishna College of Engineering and Technology from 1.05.20 to 2.05.20.
- Five days National level Online course on Chemistry in our day today life will be organized by Jamal Mohammed college from 4.06.20 to 8.06.20
- Digital skills for Work by Future learn (in process)

### **Virtual Conferences**

- Materials for Energy Harvesting and Catalysis organized by Tata Institute of Fundamental research, Mumbai from 1.05.20 to 3.05.20
- Ino-UK conference on Innovation and Future Theruaptic development from June 1 to 3 , 2020 organized by Vellore Institute of technology

### **Webinars Attended**

- Determination of Wealth and Management on 30.04.20 by Karpagam Institute of technology
- Virtual Visit to Home of Electrons on 2.05.20 by SRM Univeristy, Chennai.
- An overview on Degradation of emerging pollutants by ferrate (VI) organized by Mizoram Univeristy on 15.05.20
- Dozn 2.0, A Quantative green chemistry Evalutor on 15.05.20 organized by Chemistry World Webinars
- Kindness-Building a better Chemistry Culture on 21.05.20 by Royal society of Chemistry.
- Modern analytical Technologies for Public health on 15.05.20 by Bhakavatsalam Memoerial College.
- Crytsal Engineering for Pharamecuticals development on 20.05.20
- Natioanl webinar on Women in Higher Education : Issues and Challenges during Corona Panademic on 27.05.20 by MHRD.
- Wastewater treatment on 30.05.20 by St.Joseph College
- Watershed Priorization by School of Arts and Science , AVC campus, Chennai on 30.05.20
- Crescent Council Incubation Centre organizes
- Getting started with AWS on 19.05.20
- BIRAC role in /heating start up innovation ecosystem on 20.05.20
- Build a startup like corporate on 21.05.20
- **“Chemistry Behind MRI Contrast Agents” held** on May 04, 2020 by Department of Chemistry, Cauvery College For Women