

**Sri G.V.G. Visalakshi College for Women, Udumalpet  
(Autonomous)**



**Faculty Profile**

a. Name	<b>Dr. S. UMADEVI</b>
b. Designation & Qualification	Assistant Professor in Chemistry M.Sc, M.Phil, M.Ed, Ph.D
c. Department	Chemistry
d. Date of Birth	03.03.1969
e. Residential Address	B-12, Vidyasagar street, Gandhi Nagar Udumalpet – 642154, Tirupur (Dis)
f. Contact No.	Ph: <b>04242-220060; 9751386506</b>
g. Mail id	umadevisadhasivam@gmail.com
h. Date of Appointment	
i) In the Institution	16.09.2008
ii) To the present post	16.09.2008
f. Area of Specialisation	Environmental chemistry

**Academic Qualifications**

<b>Examination</b>	<b>Name of the University</b>	<b>Year of Passing</b>
<b>B.Sc</b>	Sri GVG Visalakshi College for Women(Autonomous)Udumalpet	1989
<b>M.Sc</b>	Government college of Technology Coimbatore	1991
<b>B.Ed</b>	Annamalai University	1996
<b>M.Ed</b>	Annamalai University	1998
<b>M.Phil.</b>	Anna University, Chennai <b>Synthesis, spectral and thermal studies of Ferrocenylene aryl polyesters</b>	1992
<b>Ph.D.</b>	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore <b>Adsorption of Selected Textile Dyes onto Chemically Activated Carbon Adsorbents Prepared Using Waste Bio-Mass <i>Bauhinia racemosa</i> Fruit Pods</b>	2019

### Orientation / Refresher / Other Courses attended

Name of the Course	Academic Staff College, University		Duration	Date
<b>Orientation Course</b>	Bharathiar university, Coimbatore		28 days	15.05.2009 - 11.06.2009
<b>Refresher Course - 1</b>	Bharathiar university, Coimbatore		21 days	16.08.2013 - 05.09.2013
<b>Refresher Course - 2</b>	Devi Ahilya Vishwavidyalaya, Indore		21 days	09.11.2017 - 29.11.2017
<b>Refresher Course - 3</b>	Bharathiar university, Coimbatore		14 days	20.06.2019 – 03.07.2019
FDP – 1 (One week)	Guru Angad Dev Teaching Learning Centre – A centre of Ministry of Education under PMMMMNMTT		7 days	11.08.2020 – 16.08.2020
FDP – 2 (One week)	Guru Angad Dev Teaching Learning Centre – A centre of Ministry of Education under PMMMMNMTT		7 days	27.01.2021-02.02.2021
ARPIT 2020	SWAYAM ARPIT ONLINE COURSE, S.G.T.B. Khalsa College, University of Delhi		3 Months	1st Dec 2020 to 31st March 2021 Exam: 21.08.2021

### Administrative Responsibilities

Academic Year	Duties Allocated
<b>2013-2014</b>	<b>Member of IQAC</b> <b>Convener of Red Ribbon Club</b> <b>Convener of Minor Research Project - MRP 3696/11(SERO – UGC) Synthesis of Novel long wavelength fluorescent sensors for heavy metal ions - RS :120000, Year of completion 2013</b>
<b>2014-2015</b>	<b>Convener of Parents-Teachers association</b> <b>Convener - UGC sponsored one day national level seminar on Emerging trends in frontiers of chemistry</b>

	<b>Amount:Rs.80000 (30.12.2014)</b>
<b>2015- 2016</b>	<b>Convener of Parents-Teachers association</b>
<b>2016- 2017</b>	<b>Convener of Parents-Teachers association</b>
<b>2017- 2018</b>	<b>Convener of Youth Red Cross of the college</b>
<b>2018 - 2019</b>	<b>Convener of Youth Red Cross of the college</b>
<b>2019 - 2020</b>	<b>Member of Grievance and appeal committee</b> <b>Member of Placement cell</b> Organised Mega Job Fair in association with District employment and Career guidance centre, Tiruppur on 19.12.2020 & 20.12.2020
<b>2020-2021</b>	<b>Member of Grievance and appeal committee</b> <b>Member of Placement cell</b> <b>Department DBT Convener</b> Organised Mega Job Fair 2020 – 2021 in association with District employment and Career guidance centre, Tiruppur <b>2. Attended 14 days FDP at AMET – HRDC, Chennai</b>
<b>2021-2022</b>	<b>Member of Grievance and appeal committee</b> <b>Convener of Magazine Committee</b> <b>Department DBT Convener</b>
<b>2022-2023</b>	<b>Member of College Union</b> <b>Member of students support and progression</b>
<b>2023-2024</b>	<b>Convener of Exam Committee (Odd Semester)</b> <b>Department DBT Convener</b> <b>Member of planning and evaluation committee</b>

### Papers published in Journals:

1. S. Umadevi , P. Prabhakar , Young-Kyu Han , Kugalur Shanmugam Ranjith ,2023, Nanoscale-based ZnS-GdS shell layer decorated hierarchical ZnO nanorod array photoanode with Enhanced photo-electrochemical activity under visible light, **Journal of Alloys and Compounds 942 , (2023) 168871**
2. S. Uma devi and P. Prabhakar, 2020, Removal of **Reactive Black 5** Dye from Water by adsorption onto Carbon Adsorbent Prepared from a natural Bio Waste Bauhinia Racemosa Fruit Pods, **Poll Res.** 39 (2) : 346-352 (2020)
3. Umadevi, S. and Renugadevi,N., 2018, Kinetics of **Remazol Black B** Adsorption Using a Low Cost Activated Carbon Prepared from Fruit Pods of Bauhinia Racemosa, **Asian journalof biochemical and pharmaceutical research**, 8(3),8-13
4. Umadevi, S. and Renugadevi,N., 2017, ‘Adsorptive removal of anionic dyes from aqueous solution by Bauhenia racemosa seed pod carbon’ **Pollution research**, 36(1):111 – 115
5. Umadevi, S. and Renugadevi,N., 2016, ‘ Kinetic modeling of adsorption of reactive blue 5 dye using a low cost activated carbon obtained from Bauhenia racemosa seed pods, **International journal of innovative research and development**, 5(7):126 – 130
6. Umadevi, S. and Renugadevi,N., 2016, ‘ Kinetic studies of Acid blue 110 dye removal using activated carbon prepared from ripened Bauhenia racemosa seed pods, **Journal of Ultra Chemistry**, 12(1):1-8
7. Renugadevi, N. and Umadevi, S., 2015, Kinetic and Thermodynamic studies of adsorption of Crystal violet dye using a low cost activated carbon prepared from Bauhenia racemosa seed , **Indian Journal of Environmental Protection**, 35(10): 840 – 846
8. Umadevi, S. and Renugadevi,N., 2015, ‘ Removal of Crystal violet dye from aqueous solution using Bauhenia racemosa seed pod carbon, **Pollution Research**, 34(4):693 – 699
9. P.Kannan, S.Umadevi, V.Krishnasamy and C.S.Swaminathan, 1994,Synthesis, spectral and thermal studies of Ferrocenylaryl Polyesters, **Iranian journal of polymer science and Technology**, Vol 3, No.1

## Research Projects carried out

Title of the Project	Name of the Funding Agency	Duration	Remarks
<b>Minor Research Project: Synthesis of Novel long wavelength fluorescent sensors for heavy metal ions link No. ; MRP366/11</b>	<b>University Grants Commission</b>	18 months	Completed Amount Sanctioned <b>RS :120000</b>

## Seminars conducted from Funding agencies :

Name of the Seminar / Conference /Symposia / Workshop, etc.	Name of the sponsoring agency	Place and Date
<b>Convener of UGC sponsored one day National Seminar on Emerging trends in Frontiers of Chemistry conducted on 30<sup>th</sup> December 2014</b>		
<b>Amount Sanctioned RS: 80000</b>		

## Papers presented in International / National / Regional seminars and Conferences

- 1) Removal of acid brown 14 dye using low cost adsorbent Tephrosia purpurea from aqueous medium, Umadevi, S. and Renugadevi,N., INSA sponsored National seminar on Water crises, **PSGR Krishnammal college for Women,27<sup>th</sup>& 28<sup>th</sup> August 2014**
- 2) Removal of Methylene blue dye from aqueous medium using a low cost activated carbon by adsorption method - Umadevi, S. and Renugadevi,N., UGC sponsored one day national level seminar on Emerging trends in frontiers of chemistry, **Sri G.V.G Visalakshi college for women,Udumalpet,30<sup>th</sup> December 2014,ISBN 978-81-910024-3-4**
- 3) Removal of Acid blue25 dye from aqueous solution by adsorption using a low cost adsorbent Bauhenia tomentosa carbon - Umadevi, S. and Renugadevi,N ., one day national level seminar on Global trends in environmental chemistry , **Sri G.V.G Visalakshi college for women, Udumalpet,1<sup>st</sup> October 2015**
- 4) Removal of Reactive blue dye from aqueous solution using Bauhenia racemosa seed pod carbon - Umadevi, S. and Renugadevi,N., UGC sponsored one day national level seminar on Eco-Waste management & Nanobiology, **Sri G.V.G Visalakshi college for women,Udumalpet, 20<sup>th</sup> October 2016, ISBN 978-93-86176-36-3**
- 5) Removal of Congo red dye using a low cost activated carbon by adsorption- Umadevi, S. and Renugadevi,N.,BRNS & CSIR sponsored International conference on Energy,

Environment & advanced materials for a sustainable future, **Kongu Engineering college, Perundurai, 23 & 24 May 2017, ISBN: 978-81-933005-2-7**

- 6) Removal of Malachite green dye from aqueous solution by adsorption, Umadevi, S. and Renugadevi, UGC Sponsored National seminar on Recent Innovations in Science and Technology, **Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore** February 23, 2018
- 7) Removal of Acid Brown 14 dye from aqueous solution by adsorption, Umadevi, S. and Renugadevi, International conference on Advanced Nanomaterials for Energy, Environment and Healthcare Applications, **Bishop Heber College, Trichy, 4<sup>th</sup> to 6<sup>th</sup> February 2016**
- 8) Removal of Congo Red Dye Using a Low-Cost Activated Carbon by Adsorption, SERB, Govt of India and Indian science congress association, Coimbatore – sponsored International conference on Impact of innovations on science and technology for societal development IISDSD-2019, **Kongunadu Arts and Science College, Coimbatore, 19.09.2019 to 21.09.2019**
- 9) Removal of Direct black 38 dye using cost effective adsorbent prepared from the fruit pods of Bauhinia racemosa, Virtual International conference –Recent advances in interdisciplinary areas of chemical sciences, RAICAS-2021, organized by Post graduate department of Chemistry , **V.V Vanniaperumal College for Women, Viruthunagar on 24.07.2021**
- 10) Removal of Malachite green dye using eco friendly carbon adsorbent prepared from the fruit pods of Bauhinia racemosa , International Virtual conference on Chemical research for sustainable development (ICCRSD-2021) organized by **SRM Institute of Science and Technology, Ramapuram Campus** on 24.09.2021 & 25.09.2021.

**Research:** Fields of Specification under the Subject / Discipline:

- a. **Environmental Chemistry**
- b. **Organic Chemistry**
- c.

## **Faculty Participation**

1. Attended Five days Virtual National Level Faculty Development Programme on Nanotechnology for Biomedical Applications organized by the Department of Zoology from 27.02.2024 - 02.03.2024
2. Attended Five days Faculty Development Programme on E - Content Development organized by the Department of Mathematics from 12.02.2024 - 16.02.2024
3. Attended Short Term course Ethics in academic research Writing, HRDC, AMET University from 30.01.2023 – 04.02.2023
4. Attended Online International FDP Recent Research in Materials Physics and Nano Devices, Rajapalayam Rajus' College, Rajapalayam, From: Department of Physics from 21.11.2022 – 25.11. 2022

5. Attended Online FDP on Current Scenerio in Advanced Materials, Research and Nanotechnology,Rajapalayam Rajus' College, Rajapalayam, From: Department of Physics from 14.11.2022 – 18.11.2022
6. Attended One Week International "Workshop on Application of Nanoscience in Multidisciplinary Fields (IWANS-2022), Department of Chemistry & Division of Nanotechnology of Periyar Maniammai Institute of Science & Technology (Deemed to be University), Vallam, tdanjavur from 07-11 March 2022
7. Acted as judge for Aahaarkranthi, a mission dedicated to spreading awareness about nutrition and to understand the importance of economically accessible, local fruits and vegetables in India. Oct 2021, (Minister for Health and Family Welfare, Science and Technology and Earth Sciences)
8. Participated in International workshop on Creating interactive E-assessment tools (Five Days) Universal teacher academy, Pudhucherry from 14.06.2021 to 18.06.2021
9. Attended 14 days FDP on Pedagogy and research methods at AMET – HRDC, Chennai from 24.05.2021 to 06.06.2021
10. Participated in International workshop on Creating interactive e-resources and Gamification (Five Days) at Universal teacher academy, Pudhucherry from 17.05.2021 to 21.05.2021
11. Participated in 5 days FDP on Recent advances in chemistry teaching and learning at Vaishnav college, Chennai from 22.02.2021 – 26.02.2021
12. Organised Mega Job Fair in association with District employment and Career guidance centre, Tiruppur on 19.12.2020 & 20.12.2020
13. Attended Online FDP on The role of teacher in nation building, Keshav memorial institute of commerce and science, Hydrabad from 03.08.2020 to 09.08.2020
14. Attended One Week International "Workshop on e- content development at Arinar anna government arts collge, Attur from 28.07.2020 to 01.08.2020
15. Attended Online FDP on NEW DIRECTIONS AND DIMENSIONS IN HIGHER EDUCATION at ARULMIGU PALANIANDAVAR ARTS COLLEGE FOR WOMEN from 09.06.2020 to 15.06.2020
16. Completed Online certificate of excellence on Funding, Research data management and Research collaboration under Science direct researcher academy.
17. Appointed as jury for senior category in the district level science exhibition “Veettukku oru vignani” conducted by Puthiya thalaimurai at Jayanthi matric school, Tiruppur on 07.08.2013

