

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



Faculty Profile

a. Name	Dr. S. UMADEVI
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)
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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

Papers published in Journals:

1. **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)
2. **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 journal of biochemical and pharmaceutical research**, **8(3)**,8-13
3. **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

4. **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
5. **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
6. 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
7. **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
8. 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
Minor Research Project: Synthesis of Novel long wavelength fluorescent sensors for heavy metal ions link No. ; MRP366/11	University Grants Commission	18 months	Completed Amount Sanctioned RS :120000

Seminars conducted from Funding agencies :

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

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,27th& 28th 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,30th 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,1st 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, 20th 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, 4th to 6th 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