Dr. S. MEENAKSHI



1. Designation : Senior Professor
2. Centre / Department / School : Department of Chemistry
3. Qualification : M.Sc,Ph.D
4. Experience (in years) : Teaching: 33 year, Research: 33 years
5. Area of Specialization : 1) Adsorption; 2) Defluoridation
   3) Toxic Ions, Heavy Metal Removal
   4) Photodegradation of Dyes and Pesticides
   5) Removal of Oil from Oil in Water Emulsion
6. Mobile Number : 9443838121
7. Email ID : drsmeenakshi@gmail.com
8. Orcid ID : 0000-0003-3350-2325
9. Google Scholar ID : vJO31RoAAAAJ
10. IRINS Link for detailed profile : 60710

11. **Research Guidance** :

Degree	Awarded		Guiding
	Total	For the period 2019-2024	
Ph.D.	21	7	4

12. **Publications**

S.No.	Category	Total	For the period 2019-2024
1.	No. of UGC CARE Listed/ Scopus Indexed Journals Publications	203	70
2.	Books Published	8	5

Selected Publications (2019-2024)

S.No.	Title of the Article	Name of the Journal	I/N	ISBN/ ISSN	Vol.	Pg.	Month and Year
1	Unveiling the morphological influence of nitrogen-doped carbonized wood anchored 3D transition metal oxide micro architectures on catalytic activity: A tri functional electro catalyst for sensing and energy conversion	Chemical Engineering Journal	I	13858947	480	148187	Jan. 2024
2	Effective arsenite adsorption from aqueous solution using N-and S-functionalized tetragonal nano-zirconia on chitosan-derived carbon	Separation and Purification Technology	I	1383-5866	306,Part B	122669	Feb. 2023
3	Magnesium ferrite-reinforced polypyrrole hybrids as an effective adsorbent for the removal of toxic ions from aqueous solutions: Preparation, characterization, and adsorption experiments	Journal of Hazardous Materials	I	0304-3894/	408	124892	Apr. 2021
4.	Facile synthesis of Zr^{4+} incorporated chitosan/gelatin composite for the sequestration of Chromium (VI) and fluoride from water	Chemosphere	I	0045-6535	262	1, 128317	Jan. 2021
5.	Designed fabrication of sulfide-rich bi-metallic-assembled MXene layered sheets with dramatically enhanced photocatalytic performance for Rhodamine B removal	Separation and Purification Technology	I	1383-5866	258, Part 1	118003	Mar. 2021

13. **Sponsored Projects:**

Major Projects handled so far		Major Projects handled during 2019-2024	
Nos.	**Financial Outlay (Rs.in lakhs)**	**Nos.**	**Financial Outlay (Rs.in lakhs)**
9	173.14 Lakhs	3	93.8 Lakhs

14. No. of Seminars/Conferences/Workshops organized (2019-2024) : 6
15. No. of Presentations in Seminars/Conferences (2019-2024) : 12

16. **Additional Responsibilities (2019-2024):**
    - Head of the Department, Chemistry -2016-2019
    - Nodal Officer and Chairman of ICC
    - Director, R&D

17. **Awards / Honours / Recognitions / Achievements: (2019-2024):**
    - Make in India award – 2021 (Indian Desalination Association-India)
    - Figured as one of the top Chemistry Scientists in India, Reading Academic Research Portal, December 2021
    - Figured as one of the top 2% Scientists globally, Stanford University-USA during the years 2019, 2020, 2021, 2022 & 2023