

SIVARANJANEE R, M Tech., (Ph. D)

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OBJECTIVE

- To have a challenging position by which I can develop professional and academic skills while still under the mentorship of an experienced researcher.
- I am seeking a challenging research- oriented career where I can contribute my expertise and skills to do cutting- edge research work to find solutions for benchmark problems.
- Supporting colleagues to learn and contribute notable research work to provide the possible solutions for the environmental problems

SUMMARY

- Enthusiastic about current research and eager to collaborate with other notable scholars to win recognition on a worldwide scale.
- Aimed to publish significant findings in reputable SCI/SCOPUS indexed journals.
- To hone my research skills in the field of (i) Waste water treatment, (ii) Adsorption, (iii) Emerging contaminant removal, (iv) Hydrochar production, (v) Biochar Production.

PUBLICATIONS AND CITATIONS

 https://scholar.google.co.in/citations?user=GACxgfwAAAAJ&hl=en	Citations: 319
	h-index: 6
	i10-index: 6

Cumulative Impact Factor: 50.162

RESEARCH OUTCOMES

Journal Publications: 12

Book Chapters Published: 2

ACADEMIC QUALIFICATION

S No	Degree	Subject/ Title of Thesis	University	Year of Passing	Class Obtained
1.	Ph.D	Environmental Science and Technology	Anna University	Thesis Submitted	-
2.	M.Tech	Environmental Science and Technology	Anna University	2017	First Class with Distinction
3.	B.Tech	Chemical Engineering	Anna University	2014	First Class

PROFESSIONAL EXPERIENCE

Assistant Professor, Department of Chemical Engineering, St Joseph's College of Engineering, OMR, Chennai – 600119 (June 2017 to May 2022).

BOOK CHAPTER PUBLICATIONS

- R.Sivaranjane, P.Senthil Kumar, "Treatment of textile wastewater using biochar produced from agricultural waste". Sustainable Technologies for Textile Wastewater Treatments. <https://doi.org/10.1016/B978-0-323-85829-8.00004-3>.
- R.Sivaranjane, P.Senthil Kumar, "Sustainable Approach on the Treatment of Textile Wastewater Using Membrane Techniques". Advances in Textile Waste Water Treatments. https://doi.org/10.1007/978-981-16-0065-4_3

JOURNAL PUBLICATIONS

S No	Authors	Title	Journal	Year	IF	Citations
1.	R Sivaranjane, PS Kumar, Gayathri Rangasamy	Hydrothermally produced activated carbon spheres from discarded maize cobs for efficient removal of rose bengal dye from water environment	Desalination and Water Treatment	2024	1.22	-
2.	R Sivaranjane, PS Kumar, Gayathri Rangasamy	Enhanced Adsorption of Rose Bengal Dye from Aqueous Solution Using NaOH Activated Hydrochar Derived from Corn cob Waste	Adsorption Science and Technology	2023	4.373	-
3.	R Sivaranjane, PS Kumar, Gayathri Rangasamy	A recent advancement on hydrothermal carbonization of biomass to produce hydrochar for pollution control	Carbon Letters	2023	3.117	3
4.	R Sivaranjane, PS Kumar, Gayathri Rangasamy	A critical review on biochar for environmental applications	Carbon Letters	2023	3.117	6
5.	R Sivaranjane, PS Kumar, S Mahalaxmi	A review on agro-based materials on the separation of environmental	Chemical Engineering Research and Design	2022	3.9	10

		pollutants from water system				
6.	R Sivaranjane, PS Kumar, R Saravanan, M Govarthanan	Electrochemical sensing system for the analysis of emerging contaminants in aquatic environment: A review	Chemosphere	2022	8.943	46
7.	R Sivaranjane, PS Kumar	A review on remedial measures for effective separation of emerging contaminants from wastewater	Environmental Technology & Innovation	2021	7.1	55
8.	R Sivaranjane, PS Kumar	The unfurl of the coronavirus and its thwack on humans and the environment: a review	Current Opinion in Environmental Science & Health	2021	-	6
9.	R Sivaranjane, PS Kumar	A review on cleaner approach for effective separation of toxic pollutants from wastewater using carbon Sphere's as adsorbent: Preparation, activation and applications	Journal of Cleaner Production	2021	11.072	31
10.	PS Kumar, R Sivaranjane, P Sundar Rajan, A Saravanan,	Carbon sphere: Synthesis, characterization	Journal of Industrial and Engineering	2018	6.1	72

		and elimination of toxic Cr(VI) ions from aquatic system	Chemistry			
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ONLINE CERTIFICATION COURSE

- Successfully completed the course titled “Waste to Energy Conversion” with a score of 69%.
- Successfully completed the course titled “Technologies for Clean and Renewable Energy Production” with a score of 79%.

WORKSHOPS ATTENDED

Programme	Organized by	Time Period
Recent Trends in Chemical, Food, Energy and Environmental Engineering	Anna University, AC Tech	15.03.2018 to 16.03.2018
Advanced Well Simulation Technologies	Dhaanish Ahmed College of Engineering	15.11.2018
Thin Film Deposition Characterization and their Advanced Applications	Sri Venkateswara College of Engineering	09.05.2019 to 10.05.2019
Advanced Energy Conversion Techniques	SSN College of Engineering	26.07.2019 to 27.07.2019

FACULTY DEVELOPMENT PROGRAMME ORGANISED

Programme	Sponsored by	Time Period
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Mass Transfer I	Anna University	17.06.2019 to 22.06.2019
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FACULTY DEVELOPMENT PROGRAMME ATTENDED

Programme	Sponsored by	Organized by	Time Period
Carbon Capture, Utilization and Storage: Opportunities and Challenges	AICTE and ATAL	Government Engineering College Kozhikode	13.12.2021 to 17.12.21
Fermentation Technology & Biochemical Engineering	AICTE and ATAL	Jeppiaar Engineering College	02.08.2021 to 06.08.2021
Strategies and Outcomes to Enhance sustainable Green Environment	AICTE and ATAL	University College of Engineering (BIT Campus)	19.07.2021 to 23.07.2021
Green Technology and Sustainability Engineering	AICTE and ATAL	Amrita Vishwa Vidyapeetham	05.07.2021 to 09.07.2021
Plastics Recycling and Waste Management	AICTE and ATAL	CIPET	14.06.2021 to 18.06.2021
Sustainable Development and Research Opportunities in Food and Chemical	-	Hindusthan College of Engineering and Technology	05.10.2020 to 11.10.2020

Engineering			
Intellectual Property Rights-Emphasis on Patent Drafting & Research Innovation	-	Sri Venkateswaraa College of Engineering & Technology	23.09.2020 to 25.09.2020
Strategies on Writing Research Paper	-	SSN College of Engineering	14.08.2020 to 24.08.2020
Recent Advancements in Medical Biotechnology Research	TEQIP III	Government College of Technology	03.08.2020 to 05.08.2020
Advancement in Applied Chemistry	-	St.Joseph's College of Engineering	06.07.2020 to 08.07.2020
Nanomaterial Synthesis, Process, Characterization and its Functional Applications	-	Hindusthan College of Engineering and Technology	06.07.2020 to 11.07.2020
Role of Chemical Engineering in Sustainable Process Development	-	Sri Venkateswara College of Engineering	08.06.2020 to 12.06.2020
Advancement in Biotechnology and Chemical Engineering	-	Vel Tech High Tech Engineering College	08.06.2020 to 19.06.2020
Advanced	-	St.Peter's College of Engineering and	23.06.2020

Technologies in Chemical Industries		Technology	to 26.06.2020
Green Engineering and its Industrial Applications towards Sustainable Future	-	Vel Tech High Tech Engineering College	28.05.2020 to 30.05.2020
The Global Challenges of Desalination	AICTE	St.Joseph's College of Engineering	25.11.2019 to 08.12.2019
Rheology of Complex Materials	AICTE	IIT Madras	11.11.2019 to 15.11.2019
Mass Transfer I	Anna University	St.Joseph's College of Engineering	17.06.2019 to 22.06.2019
Instrumental Methods of Environmental Analysis	-	SSN College of Engineering	14.05.2019 to 28.05.2019
Chemical Reaction Engineering II	AICTE & Anna University	Anna University, Chennai	27.05.2019 to 31.05.2019
Recent Advancement in Chemical, Biological, Energy and Environment	TEQIP-III	Coimbatore Institute of Technology	22.04.2019 to 26.04.2019
Recent Advances in Pollution	-	SSN College of Engineering	26.11.2018 to

Abatement			30.11.2018
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KEY STRENGTH

- Adaptable to work in any team and environment.
- Quick learning ability
- Positive Thought
- In-depth clarity of thoughts

REFERENCE

Dr. P. Senthil Kumar, M.E., Ph.D.,

Associate Professor,

Centre for Pollution Control and Environmental Engineering,

School of Engineering and Technology,

Pondicherry University, Government of India,

Kalapet, Puducherry- 605014.

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DECLARATION

I **Sivaranjane R** hereby declare that the above furnished details are true to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Place: Chennai

Date: 12.02.2024

