

SRI SANKARA ARTS & SCIENCE COLLEGE
ENATHUR, KANCHIPURAM

STAFF PROFILE

DEPARTMENT OF BIOTECHNOLOGY

1.	Name of the Staff	Swarnkumar B
2.	Designation	Assistant Professor
3.	Date of Joining	06/08/2025
4.	Mobile Number	8072874995
5.	E-Mail ID	swarnreddy@outlook.com
6.	Nationality	Indian
7.	Academic Qualification	Ph.D.
8.	Field of Specialization	Environmental Biotechnology
9.	Ph.D Thesis Title	Biodegradation Of Reactive Dyes And Textile Effluents Using Effective Microbial Technology: A Metagenomic Approach
	Awarding University, Year of Award.	Vellore Institute of Technology, 2023

10. Work Experience (in chronological order):

S.No.	Name of the Institution	Designation	Period
1	Pfizer India Pvt Ltd, Chennai.	Executive	2015-2016
2	Vibrant America LLC (Vitasoft Technologies Pvt Ltd), Chennai.	Research Associate	2021-2025

11. Other Academic and Administrative Responsibilities:

S.No.	Name of the Institution/Committee	Position	Period

12. Publications:

- Swarnkumar Reddy., Osborne, W.J., Heavy metal determination and aquatic toxicity evaluation of textile dyes and effluents using *Artemia salina*, Biocatalysis and Agricultural Biotechnology (2020).
- Swarnkumar Reddy., & Osborne, J. W. (2020). Biodegradation and Biosorption of Reactive Red 120 dye by immobilized *Pseudomonas guariconensis*: Kinetic and toxicity study. Water Environment Research. <https://doi.org/10.1002/wer.1319>
- Swarnkumar Reddy and W. Jabez Osborne., An insight on the advancements of biological technologies in the bioremediation of textile effluents. Urban Water Research.
- Krishnamurthy, H.K., Reddy, S., Jayaraman, V., Krishna, K., Song, Q., Rajasekaran, K.E., Wang, T., Bei, K. and Rajasekaran, J.J., 2022. Relationship of High Sensitivity C-Reactive Protein with Cardiovascular, Diabetic, and Hepatic Biomarkers. (Preprint)
- Krishnamurthy HK, Reddy S, Jayaraman V, Krishna K, Song Q, Wang T, Bei K, Rajasekaran JJ. Association Between High-Sensitivity C-Reactive Protein (hs-CRP) Levels With Lipids and Micronutrients. Cureus. 2024 Aug 20;16(8):e67268.
- Krishnamurthy HK, Reddy S, Jayaraman V, Krishna K, Song Q, Wang T, Bei K, Rajasekaran JJ. Profiling the Effect of Micronutrient Levels on Vital Cardiovascular Markers. Cureus. 2025 Jan 30;17(1).
- Krishnamurthy HK, Rajavelu I, Reddy S, Pereira M, Jayaraman V, Krishna K, Song Q, Wang T, Bei K, Rajasekaran JJ. Association of Apolipoprotein E (APOE) Polymorphisms With Serological Lipid and Inflammatory Markers. Cureus. 2024 May 20;16(5):e60721.

13. Awards / Distinction :

S.No.	Name of the Award	Venue	Period
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14. Membership in Professional Bodies:

S.No.	Name of the Membership	Venue	Period

15. Seminars Conferences organized /Participation:

- Participated in National Seminar on Marine Natural Products as Pharmaceutical Agents 2019 and presented a research paper on “Heavy metals determination and aquatic toxicity evaluation of textile dyes and effluents using brine shrimp *Artemia salina*”.
- Participated and won best poster award in International Seminar on “Recent Advances in Bioremedial Technology” (RABT-2020) on “Study on toxicology effects of textile pollutants on various biosystems”.
- Participated and presented in the International Virtual Conference on Energy and Environment (IVCEE-2021) “Biodegradation and toxicity evaluation of Reactive Red 120 dye by immobilized *Pseudomonas guariconensis* – A packed bed column-based study”
- Participated and won 2nd prize in NEOPHYTE 2010 – One day seminar on Nanobiotechnology for presenting a poster on NANOROBOTICS

16. Participated as Resource Person:

S.No.	Program	Venue	Period

17. Workshop & Training Programmes:

S.No.	Programe	Venue	Period

18. Projects Completed:

S.No.	Name of the Projects	Period	Grant Received/Status
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19. Any other Details:

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Scopus ID : 57216630495