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Dr.R.Saranya, working as an Assistant Professor in the Department of Biotechnology, SRMIST, Ramapuram. She Graduated in Biotechnology from SRM University, Chennai, Tamilnadu, India. She secured Master of Technology in Environmental Science and Technology at Anna University, Chennai, India. She Pursued Ph.D. in the field of Environmental Biotechnology at Anna University, Chennai, India. She is in research and teaching profession for about 3 years. She has presented number of papers in National and International Journals, Conference and Symposiums.

Areas of Research:

Environmental Biotechnology, Biomass Valorization, Enzyme Technology

Selected Publications:

1. Prathiba, A.Vaishnavi, R. Saranya, C. Chandrasatheesh, J. Jayapriya, **2022**, 'Synthesis of hydroxyl ether based biolubricant from poultry waste and to evaluate the friction performance with titania nanoparticles' Chemical Engineering Research and Design Vol. 185, pp. 291-300. Impact Factor: 4.1
2. Akbar Basha, D.Harish, , R. Saranya, C. Chandrasatheesh, J. Jayapriya, **2022**, 'Biolubricants derived from poultry waste oil and its methyl esters by in-situ epoxidation and epoxide ring-opening– A comparative study' Biomass Conversion and Biorefinery, pp. 1-8. Impact Factor: 4.1
3. M Anubha , R Saranya , C Chandrasatheesh , J Jayapriya, **2022**, 'Effect of neem gum on water sorption, biodegradability and mechanical properties of thermoplastic corn starch-based packaging films' Indian Chemical Engineer 1-13. Impact Factor:1.8
4. R Saranya, R Prasanna, J Jayapriya, R Aravindhan, AT Selvi, **2016**, 'Value addition of fish waste in the leather industry for dehairing', Journal of Cleaner Production, vol. 118, pp. 179-186. Impact Factor: 9.2
5. R Saranya, J Jayapriya, A.TamilSelvi, **2018**, 'Purification, characterization, molecular modeling and docking study of fish waste protease', International Journal of Biological Macromolecules, vol.118, pp. 569-583. Impact Factor: 6.9
6. R Saranya, A Tamil Selvi, J Jayapriya, R Aravindhan, **2020**, 'Synthesis of fat liquor through fish waste valorization, characterization and applications in tannery industry' Waste and Biomass Valorization, vol. 11, pp. 6637-6647. Impact Factor: 3.7
7. Saranya, R., Jayapriya, J. and Tamilselvi. A, **2012**, 'Dyeing of silk fabric with phenazine from Pseudomonas species' Coloration Technology, vol.128, pp. 19. Impact Factor:1.6

Awards and Fellowships :

- Women Scientist Fellowship (WOS-B, 2019) by Department of Science and Technology, New Delhi.

Patent:

- A process to convert food waste into biological soil amendment material. Patent Published No: No.202241056674 A – 2022

Google Scholar:

<https://scholar.google.com/citations?user=TItm6NUAAAAJ&hl=en>

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