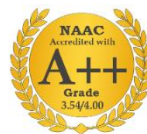




SETHU INSTITUTE OF TECHNOLOGY

(An Autonomous Institution| Accredited with 'A++' Grade by NAAC)

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Department of Biotechnology					
Name	MARIAAMALRAJ S				
Date of Birth	29.05.1987				
Unique ID	1-453151225				
Educational Qualifications	M. Tech., PhD				
Designation	Associate Professor				
Email ID	amalbiotech@gmail.com				
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Experience	Industry	Teaching	Others	Total	
	-	15		15	
Date of Joining the Institution	06.07.2022				
Area of Specialization	Biotechnology, Bioprocessing, Downstream processing				
Courses taught	Bioprocess Principle, Mass transfer operation, Bioprocess Engineering, Downstream Processing, Animal Biotechnology				
Research Focus	Bioremediation, Bioprocess development				
Research guidance (Number of Scholars)	Nil				
Subject Competency	Bioprocess, Downstream processing				
No. of papers published	National Journals		International Journals		Conferences
	5		4		24
PG Specialization	Biopharmaceutical Technology				
Ph.D. Specialization	Biotechnology				
Projects Carried out	2				
Patents (Filed & Granted)	1				



Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B. Tech	Biotechnology	Anna university	2008
PG	M. Tech	Biopharmaceutical Technology	Anna university	2010
Ph.D.	PhD	Biotechnology	Anna university	2018

Details of Journal Publication:

Google Scholar link: [Mariaamalraj S - Google Scholar](#)

- Samykannu, Mariaamalraj, and Anant Achary. "Utilization of agro-industry residue for rhamnolipid production by *P. aeruginosa* AMB AS7 and its application in chromium removal." *Applied Biochemistry and Biotechnology* 183, no. 1 (2017): 70-90.
- Mariaamalraj, Samy Kannu, Rajesh Pasumarthi, Anant Achary, and Srikanth Mutnuri. "Effect of rhamnolipid on biodegradation of hydrocarbons in non-aqueous-phase liquid (NAPL)." *Bioremediation journal* 20, no. 3 (2016): 183-193.
- Shanmugaya Pandian, Selva Kumar, Gurukarthikbabu Balachandran, Hariharasudhan Thangaraj, and Mariaamalraj Samykannu. "Selection of performance indicators on dielectric strength and viscosity for chlorinated polyvinyl chloride with N-Methyl-2-pyrrolidone: Optimization using central composite design-response surface methodology." *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering* (2024): 09544089241248918.
- AMB, *Pseudomonas Aeruginosa*. "Influence of Biosurfactant in Biosynthesis of Silver Nanoparticles by *Pseudomonas Aeruginosa* AMB AS7."
- Poornasundari, Baluchamy, Subramanian Arivoli, Pradipa Dinakararajan, Mariaamalraj Samykannu, and Velmurugan Kumaresan. "Investigation of Larvicidal Activity and Histopathological Variations of Brown Algae *Spatoglossum asperum* J. Agardh against *Aedes aegypti*, *Culex quinquefasciatus*, and *Anopheles stephensi*." *Science & Technology Asia* (2023): 237-255.

Details of Book Chapter and Books Published:

- Shalini, K., V. C. Padmanaban, T. Aswani, and S. Mariaamalraj. "Recent advancement in microbial remediation of heavy metals from industrial effluents." *Clean Technologies Toward a Sustainable Future* 93 (2023).
- Samykannu, Mariaamalraj. "Polycaprolactones based bionanocomposites for food packaging applications." In *Bionanocomposites for Food Packaging Applications*, pp. 135-151. Woodhead Publishing, 2022.
- Juliana, J., K. L. Jesintha, S. Mariaamalraj, V. C. Padmanaban, A. R. Neelakandan, and G. K. Rajanikant. "Biopolymers as a Sustainable Approach for Wastewater Treatment." In *Sustainable Technologies for Water and Wastewater Treatment*, pp. 259-274. CRC Press, 2021.

Details of Patents Filed and Granted: 1**Expert Lecture Delivered: 8**

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