Faculty Profile

Basic Information

Name	M. Raja		
Department	Food Technology		
Qualification	Nano Technology		
Area of Specialization	Heat Transfer, Water Treatment		
Date of Joining EEC	23-08-2021		
Experience (Years)	12		

Educational Qualifications

S.No.	Degree	Specialization	Name of the College	University	Year of Passing
1	PhD (Pursuing)	Water Treatment	Coimbatore Institute of Technology	Anna	Pursuing
2	M. Tech	Nano Technology	SASTRA	SASTRA	2007
3	B. Tech	Chemical Engineering	Shanmugha College of Engineering	Bharathidasan	2004

Other Details

	Food Process Calculation, Biochemical Engineering, Application of		
	rood rocess Calculation, Biochennical Engineering, Application of		
Courses Handled	Nanotechnology and Cryogenics in Food Technology, Emerging		
Courses manureu	Technologies in Food Processing, Baking and Confectionery		
	Technology, Beverage Processing Technology, Project Work		
Professional Membership	IAENG		
Research Interest	Water Treatment, Heat Transfer, Valorisation of Food Waste		
Publications	 Kadarkarai Govindan, Mohan Raja, Michael Noel and E.J. James, Degradation of petachlorophenol by hydroxyl radicals and sulfate radicals using electrochemical activation of peroxomonosulfate, peroxodisulfate and hydrogen peroxide – Journal of Hazardous Materials, ELSEVIER, 2014, 272, 42-51. Kadarkarai Govindan, Mohan Raja, Subramanian Uma Maheshwari and Michael Noel, Analysis and understanding of amido black 10B dye degradation in aqueous solution by electrocoagulation with conventional oxidants: Peroxomonsulfate, peroxodisulfate and hydrogen peroxide - Environmental Science: Water Research & Technology, 2015, 1, pp 109-119. Kadarkarai Govindan, Michael Noel, Raja Mohan, Removal of nitrate ion from water by electrochemical approaches - Journal of Water Process Engineering, 2015, 6, pp 58-63. Kadarkarai Govindan, Mohan Raja, Subramanian Uma Maheshwari, Michael Noel and Yoram Oren, Comparison and understanding of fluoride removal mechanism in Ca²⁺, Mg²⁺ and Al³⁺ ion assisted 		

	Alectrocoagulation process using Fe and Al electrodes - <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, pp 1784-1793. Tusha Kezia Clement, Raja Mohan and Jegannathan Kenthorai Raman, Catgut waste utilization for protease production using <i>Bacillus subtilis</i> - Advances in Bioprocess Technology, Book-Part III, Chapter 17, pp 357- 670, 2015 / September , Publisher: Springer International Publishing, Print ISBN: 978-3-319-17914-8, Online ISBN: 978-3-319-17915-5. Uma Maheshwari, B.C. Pillai, K. Govindan, M. Raja , A. Raja, M.B.S. Pravin, and S. Vasanth Kumar, Development of Low Resistance Thermal		
	 Interface Material (TIM) using Nanometrials – International Journal of Engineering Science Invention, 2017, pp 39-46. 7. Kadarkarai Govindan, Hrisheekesh T. Chandran, Mohan Raja, Subramanian Uma Maheswari, and Murali Rangarajan, Electron Scavenger-assisted Photocatalytic degradation of amido black 10B dye with Mn3O4 nanotubes: A response surface methodology study with central composite design – Journal of Photochemistry and Photobiology A: Chemistry, 2017, 341, pp 146-156. 8. Muthusamy P, Balamurugan P, Raja M and Jerome D Removal of Lead (II) Ions through packed bed column from aqueous solution and using maize cob – The indian Journal of Technical Education, 2023, pp 217-22. 		
Conferences / Workshop / Seminars			
Awards / Achievements	3 and Completed FOSTAC certification		
Teaching Aids	ICT Tools, Think-Pair-Share Learning, Brainstorm session, Mind Map and etc. https://www.youtube.com/watch?v=TRuf0ZBENmw&t=11s		