

Name of Faculty Dr. R. Ilamathi
 Designation Assistant Professor
 Nature of Job/Appointment Contract
 Date of Joining 24-03-2021



E-mail ilamathir_biotech@cbit.ac.in

Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (ENVIRONMENTAL STUDIES)	Awarded
PG	M. Tech Biotechnology	Distinction
UG	B. Tech Biotechnology	First

Work Experience	
Teaching	1 year 6 months
Research	5 Years 9 months
Industry	--
Others	--

Area of Specialization Environmental Biotechnology

Professional Memberships	--
Responsibilities held at Institution Level	--
Responsibilities held at Department Level	--

Research Guidance	--
Awards Received	--

- Courses Handled at Under Graduate / Post Graduate Level.
1. Process Principles and Reaction Engineering
 2. Mass Transfer and Separations
 3. Bioprocess Optimization and Plant Design
 4. Environmental Science

No. of Papers Published	National Journals – 01	International Journals – 08
	National Conference – 00	International Conference – 07

Projects Carried out Design and Evaluation of aerobic-anaerobic MFC for the decolourization of Textile effluent

Patents	--
Technology Transfer	--
Invited Speaker	--
No. of Books/Chapter Published with details	--

FDP/STTP/conference Attended:

1. Participated in the International Conference on “**Chemcon 2016**” held at Anna University, Chennai.
2. Participated in the Workshop on “**Techniques on Analytical chemistry**” held at Anna University, Chennai
3. Participated in the International conference on “**Techniques and Applications in Bioinformatics**” held at IIT, Madras.

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops/Other Trainings (Attended and/or Organized).

6. Participated in the national level symposium on „**BIOSTAGE 09**“ held at Kumaraguru College of Technology, Coimbatore.
7. Participated in the national level conference on **Recent Trends in Food Processing & World Food Day 2008** „**FOOD XPLORE 08**“ held at Tamil Nadu Agricultural University, Coimbatore.
8. Participated in the national symposium “**Food Xplore „08**” held on 16th October 2008 on the Occasion of World Food Day conducted by TNAU.
9. Organized and participated in the national level symposium on **Recent Trends in Biotechnology „GENOMERA 06**” held at Periyar Maniammai College of Technology For Women, Thanjavur.

Workshops/webinars Attended:

1. Participated in the workshop on “**International Biodownstream Technology Course**” held at VIT, Vellore.
2. Completed Training in “**Drug Design (Bioinformatics)**” under BioAxis Pvt Ltd, Hyderabad.
3. Completed Short term course in **Bioinformatics** under “Everonn Education” in PMCTW, Tanjore.
4. Completed In-Plant Training in “**Protoplasmic Fusion & Strain Improvement in *P.chrysogenum***” at SPIC Pharmaceuticals, Cuddalore.
5. Completed In-Plant Training in “**Food Processing Techniques**” at Silver Green Agro Products Export (India) Pvt.Ltd, Thanjavur.

Details of Journal Publications/ Conferences (National and International)

National Journals

1. Deebika P, Merline Sheela A, Ilamathi R (2021) Biochar and compost-based phytoremediation of crude oil contaminated soil. *Indian Journal of Science and Technology* 14(3): 220-228.

International Publications:

1. **Ilamathi, R.**, Merline Sheela A. (2020) “Performance analysis of microbial fuel cell operational parameters on reactive azo dye decolorization”, *Desalination and Water Treatment* ,190, 312-321. (IF: 1.23)
2. Annie, G., Sheela, A. M., & **Ilamathi, R.** (2020). Fate of Crude Oil in Soil Treated with *Pseudomonas putida* Immobilized on Coconut Coirpith a Low cost Biocarrier. *Soil and Sediment Contamination: An International Journal*, 1-18. (1.250)
3. **Ilamathi, R.**, Sheela, A. M., & Gandhi, N. N. (2019). Comparative evaluation of *Pseudomonas* species in single chamber microbial fuel cell with manganese coated cathode for reactive azo dye removal. *International Biodeterioration & Biodegradation*, 144, 104744. (IF: 3.824)
4. **Ilamathi, R.**, & Jayapriya, J. (2017). Microbial fuel cells for dye decolorization. *Environmental Chemistry Letters*, 1-12. (IF:3.59)
5. **Ilamathi, R.**, Nirmala, G. S., & Muruganandam, L. (2014). Heavy metals biosorption in liquid solid fluidized bed by immobilized consortia in alginate beads. *International Journal of ChemTech Research*, 6, 652-662. (IF:0.57)
6. **Ilamathi, R.**, Shanmugam, S., Satishkumar, T. (2013). “Isolation and Characterization of Enzyme Naringinase from *Aspergillus flavus*”, *BioIT Intl. Journals*, 4.2,1071-1075. (ICV:69.46)
7. **Ilamathi, R.**, Shanmugam, S., Satishkumar, T. (2012). “Optimization of Medium Composition for Improving Naringinase Activity Using Response Surface Methodology”, *Intl Journal of Biotechnology and Research*, 2(3): 29-36. (ICV:61.5)
8. S Boopathy, MS Appavoo, **I Radhakrishnan.** (2020) “Sunflower seed husk combined with poultry droppings to degrade petroleum hydrocarbons in crude oil-contaminated soil” *Environmental Engineering Research* 26 (5) (IF:1.438)

