Individual Biodata



Name : D.Manimekalai

Designation : Assistant professor

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Qualification : M.F.Sc. in Aquatic Environment Management

Field of Specialization : M.F.Sc. in Aquatic Environment Management

Major : Environmental Biotechnology

Specializing field : Environmental Microbiology and Monitoring of Persistent Organochlorine Pollutants in the Aquatic Environment

Experience (in years) : 10 Years 02 months

Current projects : (Please provide max 5)

Sl.No.	Title of the Project	Year	PI & Co- PI of the Project	Funds (in Rs)	Funding Agency
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Completed projects : (Please provide max 10)

Sl. No.	Title of the Project	Year	PI & Co- PI of the Project	Funds (in Rs)	Funding Agency
1.	Utilization of fish solid waste for biogas production for indigenous application(S.C.No.30015)	2013-15	PI Dr.P.Padmavathy Associate Professor Co-PI Ms.D.Manimekalai, Assistant Professor	2.20 lakhs	TANUVAS Research Corpus Fund
2.	Assessing the efficiency	2013-	P-I	2.30	TANUVAS

	of aquatic plants and microalgae for reducing water hardness for the culture of ornamental fishes in coastal regions of Thoothukudi (S.C.No. 30027)	15	Ms.D.Manimekalai, Assistant Professor Co-PI Dr.A.Srinivasan Chair, SFREM	lakhs	Research Corpus Fund

Research publications (max – 10) :

(You may provide your recent best publications)

1. D.Manimekalai, A. Srinivasan, P.Padmavathy, P.Jawahar and M. Rosalind George, 2021. Occurrence of Pesticide Residues in Freshwater and Estuarine Fishes of Thamirabarani River. *Indian Journal of Animal Research*. 55. 1233-1239 (NAAS rating-6.4)

2. D.Manimekalai, A. Srinivasan, P.Padmavathy, P.Jawahar and M. Rosalind George, 2021. Acute and chronic toxicity effect of heptachlor Pesticide to Tilapia, *Oreochromis mossambicus* (Peters, 1852) and their impact on its behavioral patterns and histopathological responses" Journal of Coastal Research (NAAS rating 6.8)

3. Subhashree, S., Padmavathy, P. Manimekalai, D. R. Jeya Shakila, R. 2020. Assessment of fish scale biosorbent in the treatment of seafood processing plant wastewater. Journal of chemical toxicology and biotechnology (JCTB-20-0597). (NAAS rating-8.66)

4. A. Juliet Selvarani, P. Padmavathy*, A. Srinivasan, G. Sugumar, P. Jawahar and D. Manimekalai 2019. Acute Toxicity of Glyphosate Herbicide on Nile Tilapia (*Oreochromis niloticus*) Int.J.Curr.Microbiol.App.Sci (2019) 8(10): 61-68

5. D. Manimekalai, C. S. Purushothaman, A. Vennila, P. Padmavathy, S. Aanand, S. Aruna and A. Srinivasan. 2017. Isolation and characterization of phenanthrene-Degrading bacteria from marine environment. *Biochem. Cell. Arch.* Vol. 17, No. 1, pp. 229-237, 2017.
6. Manimekalai, D., Deepika, S. S., Brema, K., Rajeswari, C. and Juliet Selvarani, A. 2017. Microfiltration Technology In Waste Water Treatment. *International Journal of Current Research*. Vol. 9, Issue, 03, pp.47310-47312.
7. Manimekalai, D., Padmavathy, P., Aanand, S., and Aruna, S. 2016. Diversity of hydrocarbon-degrading bacteria from oil contaminated sites of Mumbai coast, Maharashtra. *J. of Exp. Zool. India.*, 19(2), 1103-1107.
8. Manimekalai, D., Srinivasan, A., Aanand, Aruna, S. 2016. Marine Litter and itsimpacts on Marine organisms. *International Journal of Current Research Vol. 8, Issue, 05, pp.31536-31541.*
9. Manimekalai, D., Padmavathy, P., Rani, V., Aanand, S. and M. Divya. 2015. Phytoremediation of heavy metals - Progress and prospective. A review article. *Int. J. Current Research* : 7 (3): 13648 -13651.

10. Manimekalai, D., Padmavathy, P., Rani, V., Aanand, S. and M.Divya 2015. Phytoremediation of heavy metals - Progress and prospective. A review article Int. J. Current research 7 (3): 13648 -13651

Honours and Awards

(Including patents)

- Awarded Best Paper Presentation in 5th Agricultural Scientific Tamil Society - National Conference conducted on 10.10.2020
- Awarded Best M.F.Sc. Dissertation in Aquatic Environment Management for the academic year 2010 -11 in CIFE, Mumbai.
- Awarded ICAR - Senior Research Fellowship (2010) in Fisheries Science through All India Competitive Entrance Examination conducted by National Academy of Agricultural Research Management, ICAR.
- Awarded Junior Research Fellowship by ICAR for pursuing M.F.Sc. (Aquatic Environment Management) in CIFE, Mumbai through ICAR's All India Entrance Examination in Agriculture and Allied Sciences for the academic year 2008 - 09.