Individual Biodata



Name : Dr.P.Padmavathy

Designation : Professor & Head

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Qualification : M.F.Sc., Ph.D.

Field of Specialization : M.F.Sc. (Fisheries Science)
Ph.D. (Aquaculture)

Major : Aquatic Environment Management

Specializing field : Waste Management, Water quality
Management in Aquaculture systems
Bioremediation of wastewaters

Experience (in years) : 17 Years 4 months

Current projects : --

Completed projects :

Sl. No.	Title of the Project	Year	PI & Co-PI of the Project	Funds (in Rs.)	Funding Agency
1.	Aquatic animal health and Environment Management Laboratory	2016-17	Co- Principal Investigator	56 lakh	NFDB

2.	Increasing the production in Tamilnadu through production and distribution of genetically improved tilapia	2015-16	Co- Principal Investigator	148 lakh	NADP
3.	Impact of Anthropogenic activities and seasonal variation in plankton biomass in Gulf of Mannar Biosphere Reserve	2014-16	Co- Principal Investigator	10.50 lakhs	GOMBRT, Ramanathapuram
4.	Impact of Large Scale Cultivation of Seaweed Culture in Coastal Environment of India	2014-2016	Co-Principal Investigator	27.12 lakh	NCSCM
5.	Development of Environmental guidelines and operational protocol for sustainable development of cage culture in the reservoirs of Tamil nadu	2014-15	Principal Investigator	12 lakh	IAMWARM – World bank Fund
6.	Popularization of cost effective fish compost in Thoothukudi district of Tamilnadu.	2014-16	Principal Investigator	11.10 lakh	Part II scheme State Fisheries
7.	Utilization of fish solid waste for biogas production for indigenous application	2013-15	Principal Investigator	2.20 lakh	TANUVAS Research Corpus Fund

Research publications: (Provide Maximum 10)

1. Keerthika. K, Padmavathy. P, Rani. V, Jeya Shakila. R, Aanad. S, Ranjeet kutty, 2022. Occurrence of microplastics in gastrointestinal tracts of planktivorous fishes from the Thoothukudi region. Environmental science and Pollution Research **(NASS: 10.22)** Accepted for publication

2. Deepika, S., Padmavathy, P.,Srinivasan, A., Sugumar, G. and Jawahar, P. 2021. Effect of triclosan (TCS) on the protein content and associated histological changes on tilapia, Oreochromis mossambicus (Peters, 1852). Environmental Science and Pollution Research, https://doi.org/10.1007/s11356-021-14990-4). **(NASS:9.06)**

3. Deepika, S., Padmavathy, P., Srinivasan, A., Sugumar, G. and Jawahar, P. (2021). Short Term Effects of Antimicrobial Agent Triclosan on Oreochromis mossambicus (Peters, 1852): Biochemical and Genetic Alterations Indian Journal of Animal Research (2021) DOI: 10.18805/IJAR.B-4686.(online issue) **(NASS 6.4)**

4. Ulaganathan Arisekar , Robinson Jeya Shakila, Rajendran Shalini , Geevaretnam Jeyasekaran , Pandurangan Padmavathy , Murugesan Sri Hari , Chandran Sudhan, 2022. Accumulation potential of heavy metals at different growth stages of Pacific white leg shrimp, Penaeus vannamei farmed along the Southeast coast of Peninsular India: A report on ecotoxicology and human health risk assessment. Environmental Research 212 : 113105 **(NASS:14.07)**

5. 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 6.4 **(NASS 6.4).**

6. Lidya Wilwet, Geevaretnam Jeyasekaran, Robinson Jeya Shakila, Balasubramanian Sivaraman and Pandurengan **Padmavathy,** 2018. A single enzyme PCR-RFLP protocoltargetting 16 S rRNA/ tRNA region to authenicate four commercially important shrimp species in India. **Food Chemistry** 369-376 (**NASS: 13.51)**

7. T.Anand, A.Srinivasan, P.Padmavathy, P. Jawahar, J. Stephen Sampath Kumar, 2021.Nursery Rearing of Penaeus Vannamei in Biofloc Systems with Different Salinities and Organic Carbon Resources Indian Journal of Animal Research B-4753: 1-8(**NASS:6.30)**

8. T.Anand, A.Srinivasan, P.Padmavathy, P. Jawahar, J. Stephen Sampath Kumar, 2021.Structure, proximate composition, nutrient dynamics and growth characteristics of Penaeus vannamei in indoor biofloc systems with three different salinities and carbon sourcesThe Israeli Journal of Aquaculture ,73 **(NASS : 6.28)**

9. Sangma,P.S.W., Rani,V.,Padmavathy,P. and Zuala,V. , 2021. Differential capacity of carbon sequestration potential: Analyzing Avicennia marina and Salicornia brachiate along the south eastern coast of India. ISSN 0749 -0208. Journal of Coastal Research, DOI : 10.2112/JCOASTRES -D-21 -000-41 **(NASS: 6.85)**

10. A.Juliet Selvarani, P. Padmavathy, A.Srinivasan, G.Sugumar, P.Jawahar and D.Manimekalai , 2019. Acute Toxicity of Lamda-Cyhalothrin and the Histopathological Changes of Gill and Liver Tissues of Tilapia (Oreochromis niloticus) J.Coastal Research 86 (sp1):235 **(NASS:6.80)**

Honours and Awards

1. Awarded Senior Research Fellowship by CSIR during 1992 for pursuing Ph.D.
2. Awarded ICAR –NAIP -HRD overseas fellowship and attended three months training Programme on Biosecurity (Fisheries) at Asian Institute of Technology (AIT), Thailand.