Individual Biodata



Name : Dr. Mahadevi

Designation : Assistant Professor

Address : Department of Aquaculture
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Qualification : Ph.D. in Fisheries Science

Field of Specialization

Major : Aquaculture

Specializing field : Fish Breeding, Ornamental fish culture, Culture of live feed

Experience (in years) : 4 years 8 months

Completed projects : 03

Sl.No.	Title of the Project (Year)	Funding Agency	Budget Outlay	Principal Investigator	Co-Investigators	Status
01	Evaluation of the effect of protein hydrolysates on the growth and immune response in *Penaeus vannamei*	M/s. Kemin Industry Pvt.Ltd.	Five months 7.55 lakhs	Dr. Cheryl Antony	Dr. Mahadevi & Dr. K. Ravaneswaran	Completed
02	Student Research Project: Effect of partial replacement of fish meal with	Tamil Nadu State Council for Science and	Two Months Rs. 7,500	**Dr. Mahadevi** Assistant Professor Department of Aquaculture	T. Sanjay and Muthuvinayagam PG Scholars	Completed

	sustainable plant protein source on growth of Pacu (*Piaractus brachypomus*)"	Technology (TNSCST)		Dr. MGR. FC& RI, Ponneri **(As guide to Students)**	Department of Aquaculture Dr. MGR. FC& RI, Ponneri (As guide to Students)	
03	Cost effective captive breeding technology for *Channa striata* (Striped Murrel) for field level adoption.	Tamil Nadu State Land Use Research Board, SDPC (Project fund was received on 16.5.2022)	Two Years 15.18 lakhs	**Dr. Mahadevi** Assistant Professor Department of Aquaculture Dr. MGR. FC& RI,	Dr. Cheryl Antony Dr.K. Ravaneswaran	Completed

Ongoing

1. Revolving fund schemes (2025)

S. No	Title of the project	Funding agency	Total Budget (in Lakhs)	PI & Co-PI
1.	Shrimp culture and nursery rearing of Asian seabass at Brackishwater Instructional Fish Farm (BWIFF), Nagapattinam	TNJFU – Revolving fund scheme	1.23	PI: Dr.P. Yuvarajan Co-PI: Dr. Mahadevi
2.	Farming of White leg shrimp Penaeus vannamei and nursery rearing of Asian seabass Lates calcarifer using low saline water at Freshwater Instructional Fish Farm, Korukkai	TNJFU – Revolving fund scheme	1.05	PI: Mr.M.Mohammed faizullah Co-PI: Dr. Mahadevi

Research publications:

1. Yuvarajan, P., Chidambaram, P., **Mahadevi** and Somu Sunder Lingam, R. 2024a. Optimization of Dietary Ingredients Composition for Bronze Featherback, Notopterus notopterus. Pakistan Journal of Zoology. Vol. 57, Iss. 3, pp. 1353-1358

2. Yuvarajan, P., Chidambaram, P., Ahilan, B., Kathirvelpandian, A., Suresh, E., **Mahadevi**., Somu Sunder Lingam, R and Manimaran, H., 2024b. Effect of Dietary Protein Levels on Growth Performance, Whole-Body Composition and Digestive Enzyme Activity of Bronze Featherback, Notopterus notopterus. Pakistan Journal of Zoology. Vol. 57, Iss. 5, pp. 2003-2500.

3. Pandi M, Cheryl Antony, Bharathi S, **Mahadevi** N, Mangesh M. Bhosale., 2021. Successful breeding of the endemic cyprinid fish Dawkinsia rohani in controlled condition—First report., Aquaculture Research. https://doi.org/10.1111/are.15303

4. P. Yuvarajan, Antony Cheryl, A Gopalakannan and **Mahadevi**. 2021. Effect of distillery spent wash as carbon source in biofloc system on nutrient profile of GIFT Tilapia. Published online, Indian Journal of Animal Research. 1-5. doi10.18805/IJAR.B-432 (Naas 6.5)

5. **Mahadevi**, Felix S., Ahilan, B. Rajagopalasamy, C.B.T. and Samuel Moses, T.L.S. 2020. Induced Breeding and Developmental Biology of Endemic Western Ghats Fish Dawkinsia filamentosa (Valenciennes, 1844) under Captive Conditions, Indian Journal of Animal Research. 54(9): 1069-1077. doi10.18805/ijar.B-3874 (Naas 6.5).

6. **Mahadevi**, N., S. Felix, B. Ahilan and C.B.T. Rajagopalasamy., 2020. Evaluation of reproductive performance in indigenous endemic ornamental fish Sahyadria denisonii using hormones under captive environment. Journal of Environmental Biology, 41, 549-555. DOI: http://doi.org/10.22438/jeb/41/3/MRN-1209 (Naas 6.7)

7. **Mahadevi**, P. Yuvarajan**,** V.V. Lakshmi, Neeraj Patak and Somu sunder Lingam. 2019. Masculinisation of Tilapia using modern endocrine techniques. Journal of Experimental Zoology, India. 22 (2),779-786.

8. **Mahadevi,** S. Felix, K. Ravaneswaran, P. Yuvarajan and Monica, K.S. 2019. Indian Almond Tree (Terminalia catappa Linn.) as Herbal Biomedicine in Aquaculture Industry. International Journal of Current Microbiology and Applied Sciences, 8(07): 2406-2409. DOI: https://doi.org/10.20546/ijcmas.2019.807.295

9. P. Yuvarajan*, S. Felix, **Mahadevi**, Neeraj Patak, Dushyant Kumar Damle and B. Kannan. 2019. Enrollment of Advanced Aquaculture Technologies to Alleviate the Glitches of Aquaculture in Indian Journal of Experimental Zoology, India. Vol.22, No.2, pp. 773-777.

10. P. Yuvarajan*, S. Felix, A. Uma, **Mahadevi**, B. Ahilan and P. Banupriya. 2019. Role of Gene Expression Techniques in Fisheries and Aquaculture. International Journal of Current Microbiology and Applied Sciences. 8(07): 2435 – 2438. DOI: https://doi.org/10.20546/ijcmas.2019.807.299

Honours and Awards:

- Dr. Mahadevi, Assistant Professor at Department of Aquaculture, Dr. M.G.R. Fisheries College and Research Institute, Thalainayeru has been honoured with the prestigious Young Scientist Award 2024 by the Society of Fisheries and Life Science. The award was presented in the Award ceremony during the Australian Alumni Grant-sponsored International Workshop on Perspectives, Opportunities, and Challenges for Research in Fisheries Sciences in a Changing Climate held at Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga, Karnataka on 19.11.2024.

- Dr. Mahadevi has received AWSAR (Augmenting writing skill for articulating research) Award by the Department of Science and technology, Government of India, New Delhi on the National science day, 28th Feb, 2019.

- Dr. Mahadevi has awarded as "Young Scientist Associate Award" for her outstanding contribution and recognition in the field of Aquaculture on occasion of 3rd International Conference on "Global Initiatives in Agricultural and Applied Sciences for Eco-friendly Environment (GIASE-2019) held at Kathmandu, Nepal during 16-18 June 2019