INDIVIDUAL BIODATA



Name	:	Mrs. Abisha Juliet Mary S J
Designation	:	Assistant Professor and Head i/c,
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Qualification	:	M.F.Sc (Fish Pathology and Health Management)
Field of Specialization Major Specializing field	 : :	 Fish Pathology and Health Management Microbiology
Experience (in years)	:	4 year 8 months

Research Projects

Completed Research Projects

Name of the PI	Title of the project	Date of start	Date of completion	Funding Agency	Budget (Rs. in lakhs)
Mrs. S.J. Abisha Juliet Mary Assistant Professor	Isolation and characterization of antimicrobial resistant gut microflora associated with farmed shrimps in Nagapattinam District	05.07.2021	04.07.2022	TNJFU – URP	0.60 lakhs
Mrs. S.J. Abisha Juliet Mary Assistant Professor	Spatial Distribution of ß-Lactam resistance genes among Vibrio spp. Isolated from shrimp farms of Vedaranyam.	29.10.2021	04.02.2024	TNJFU-JTRF	2.00 lakhs

Ongoing Research Projects

Name of the PI	Title of the project	Date of start	Date of completion	Funding Agency	Budget (Rs. in lakhs)
Mrs. S.J. Abisha Juliet Mary Assistant Professor	Assessment of Vibrio Load and Plankton Dynamics During the Grow-out Phase of *Penaeus vannamei*	05.06.2025	05.06.2027	TNJFU-JTRF	2.0 L
Mrs. S.J. Abisha Juliet Mary Assistant Professor	Whole Genome Sequencing of Shrimps and Environmental Samples	10.06.2025	10.06.2027	USFDA (JIFSAN)	58.4 L

Training Programmes Organized

Training Programme	Budget	Year
NFDB funded One day Awareness programme on "Antibiotics in Fish Health"	50,000	2022
NFDB funded three days Skill Development Programme on "Management of Aquatic Diseases in Intensive Farming"	1,25,000	2022
TNSDC Naan Mudhalvan Vetri Nichayam funded 14-day Skill Development Training programme on Best management practices in fish and shrimp farming	1,74,800	2025

Research publications:

- Mohammed, I. N., **Mary, A. J.,** & Petchimuthu, M. (2025). An overview of cellular immunity in aquatic animals: Key immune cell lineages underlying innate and adaptive responses. The Goya Journal, 18 (10), 705-722. DOI: 12.163022.Gj.2025.v18.10.048
- **Abisha Juliet Mary, S.,** John, K.R., George, M.R. et al. Genomic characterization of the rhabdovirus-like agent isolated from snakehead fish and pathogenicity studies in cultured carps and catfish. Aquacult Int (2024). https://doi.org/10.1007/s10499-024-01570-9
- V. Susitharan, C.B.T. Rajagopalsamy, C. Sindhu, **S.J. Abisha Juliet Mary** and R. Dinesh (2022). Effect of Biofloc Technology with Different Carbon Sources on Growth Performance of Pearl Spot Etroplus suratensis under Flow Through System. Biological Forum – An International Journal, 14(1).
- **Mary, S.J.A.J.,** Dhayanath, M. and Paul, T., 2019. Prevalence and characterization of Antibiotic Resistance Associated with Escherichia coli isolated from Cultured Penaeus vannamei from Maharashtra, India. International Journal of Current Microbiology and Applied Sciences, 8 (7), pp. 1790-1797.

- Kurcheti, P.P., **Mary, A.J.S**. and Dhayanth, M. 2019. Assessment of Incidence of Enterocytozoon hepatopenaei (EGP) in Penaeus vannamei in Maharashtra and Gujarat. Journal of Animal Research, 9 (4), pp.597-604.
- Dhayanath, M., Kurcheti, P.P., **Mary, S.J.,** Paul, T. and Majethia, H., 2019. Prevalence of Antimicrobial Resistance among Vibrio spp. Isolated from the Digestive Tract of Cultured Penaeus vannamei. Journal of Animal Research, 9 (5), pp. 675-681.
- Chellamanimegalai, P., **Abisha Juliet Mary, S. J.,** Manickavasagam, S., Kantharajan, G., Dhayanath, M., & Sundaramoorthy, B. (2019). Traditional fishing knowledge followed in Kombuthurai along Gulf of Mannar: A new approaches on hand jigging of cuttlefishes using biodegradable FAD. International Journal of Current Microbiology and Applied Sciences, 8(7), 1703-1711.

Honours and Awards:

S.No.	Name of the award/honor	Ocassion	Date of issue	Awarding body
1	Best Paper Presentation Award	Third International Scientific Conference on Environmental Research: Issues, Challenges and Strategies for Sustainable Development	02.12.2023	Eurasian Academy of Environmental Sciences
2.	Best Oral Presentation Award	National Conference on Revolutionizing Agriculture for an Innovative and Sustainable Ecosystem (RAISE 2025)	28.02.2025	PGP College of Agricultural Sciences, Tamil nadu