Individual Biodata



Name	:	Dr. M. Petchimuthu
Designation	:	Assistant Professor (Contractual)
Address	:	Department of Fish Pathology and Health Management Dr. MGR Fisheries College and Research Institute Thalainayeru-614712
Mobile	:	6383795151
Email	:	petchimuthu@tnfu.ac.in
Qualification	:	Ph.D (Aquatic Animal Health)
Field of Specialization	:	
Major	:	Aquatic Animal Health
Specializing field	:	1. Bacteriology 2. Parasitology
Experience (in years)	:	5 Years 9 Month
Research publications	:	

1. Imran Mohammed, N., Abisha Juliet Mary, S. J and **Petchimuthu, M**. 2025. An Overview of Cellular Immunity in Aquatic Animals: Key Immune Cell Lineages Underlying Innate and Adaptive Responses. Goya Journal, 18(10), 705-722.
2. Ferolin Jessina, G., Arasi, R., Samaya Prakash, N., Soumiya, S., Surya, K., Abisha Juliet Mary, and **Petchimuthu, M**. 2025. Combatting Waterborne Threats: Evaluating Antibiotic Effectiveness against Environmental Isolates of *Aeromonas hydrophila.* Journal of Coastal Research. 41(2)247-254.
3. **Petchimuthu, M.,** Rosalind George, M., Rijijohn, K and Santhanakumar, V. 2022. Pathogenicity potential of antimicrobial-resistant *Photobacterium damselae* subsp. *damselae* isolated from maricultured and wild-caught fish of the southeast coast of India. Aquaculture research, 53:4505–4520.
4. Rijijohn, K., Rosalind George, M., Mageshkumar, P., Mohamed Mansoor,

M., Kaviarasu, D., Sivasankar, P., Selvamagheswaran and **Petchimuthu, M**. 2021. Isolation and characterisation of a novel rhabdovirus from snakehead fish showing surface ulcerations and mortality from India: First report. Aquaculture. 544(2021), 737120.

5. **Petchimuthu, M.,** Rosalind George, M., Rijijohn, K and Santhanakumar, V. 2021. Isolation, molecular characterization and virulence study (Pathogenesis) of *Photobacterium damselae* subsp. *damselae* isolated from sea-cage and wild fishes. Indian Journal of Animal Research. 55(6), 679-688.
6. Kaviarasu, D., Rijijohn, K., Rosalind George, M., Ahilan, B., Padmavathy, P and **Petchimuthu, M.** 2020. Experimental infection with koi ranavirus (KIRV) of common carp (*Cyprinus carpio* L.) and Rohu (*Labeo rohita* H.). International Journal of Current Microbiology and Applied sciences. 9(11), 3234-3243.
7. **Petchimuthu, M.,** Rosalind George, M and Rijijohn, K. 2020. Detection of virulence hemolysin gene (HlyA) in *Photobacterium damselae* subspecies *damselae* isolates. Journal of Entomology and Zoology Studies. 8(6), 1326-1330.
8. **Petchimuthu, M.,** Rosalind George, M., Rijijohn, K., Kaviarasu, D and Dinesh, R. 2018. Occurrence of parasites in aquaculture systems of South Tamil Nadu. Journal of Entomology and Zoology Studies. 6(2), 283-286.
9. Sivasankar, P., Riji John, K., Rosalind George, M., Anushalini, SV., Kaviarasu, D and **Petchimuthu, M**. 2017. Prophylactics in shrimp aquaculture health management: A review. Journal of Entomology and Zoology Studies. 5(4), 1049-1055.
10. **Petchimuthu, M.,** Rosalind George, M., Rijijohn, K. 2020. Biosecurity strategies in aquaculture for fish health management. Journal of Aquaculture in the Tropics. 35(1-4), 9-26.
11. **Petchimuthu, M.** 2020. A Review of Drugs used in Aquaculture. Journal of Aquaculture in the Tropics. 35(1-4), 87-91.
12. **Petchimuthu, M.,** Rosalind George, M., Rijijohn, K and Dinesh, R. 2018. Immune response of fish to parasitic infection–a review. Journal of

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