Individual Bio Data



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Designation : Assistant Professor

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

Field of Specialization
Major : Fish and shellfish diseases and health management

Specializing Field : Fish and shrimp disease diagnosis / Fish virology and Cell culture / Fish immunology / Health management

Experience (in years) : 5 Years and 8 months

On-going Projects

Sl. No	Title of the Project	Year	PI & Co- PI of the Project	Funds (in Rs)	Funding Agency
1.	National Surveillance Programme for Aquatic Animal Disease – Phase II	3 year	Co-principal Investigator	52.4 lakhs	PMMSY-through ICAR-NBFGR

Completed Projects:

Sl. No	Title of the Project	Year	PI & Co- PI of the Project	Funds (in Rs)	Funding Agency
1.	National Surveillance Programme for Aquatic Animal Disease	2021 (12.08.2021 to 31.03.2022)	Co-principal Investigator	113.09 7 lakhs	PMMSY-through ICAR-NBFGR
2.	Upgrading Sustainable Aquaculture Production Centres of TNJFU for Operation through Private-Public Partnership for Integrated Agriculture Development	2 year	Co-principal Investigator	378.0 lakhs	NADP
3.	Development and Transfer of Seaweed Farming	2 year	Co-principal Investigator	251.1 lakhs	NADP

	Technology as an Alternative Employment Option for the Coastal Fisher folk in Mandapam Region of Tamil Nadu				

Research / Review publications

1. Ragul, S.V., Parthiban, F., Shalini, R., **Sivasankar, P**., Muthulakshmi, T., Mansoor, M., Jerusha, S. and Krishnakumar, S., 2025. Characterization of Virulence Genotypes and Prevalence of Vibrio parahaemolyticus from Fish Samples Collected from Thoothukudi Fish Landing Centres, India. *Thalassas: An International Journal of Marine Sciences*, 41(2), pp.1-12

2. Kaviyarasu, P., **Sivasankar, P**., Chrisolite, B., Subash, P., Priyadarshini, M., Mansoor, M.M., Kumar, P.M., Selvamagheswaran, M., 2025. Protective and haemato-immunological effect of seaweed crude extracts against Tilapia Lake Virus (TiLV) in Nile tilapia, *Oreochromis niloticus. Aquaculture International*, 33:122, 1-32.

3. Priyadarshini, M., **Sivasankar, P.**, Chrisolite, B., Subash, P., Rani, V., Mansoor, M.M., Kumar, P.M., Selvamagheswaran, M., Evangelin, P.D., 2024. Innate immune response of snakehead fish to Indian strain of snakehead rhabdovirus (SHRV-In) infection and the infectivity potential of the virus to other freshwater fishes. *Fish & Shellfish Immunology*, *149*, 109577.

4. Subash, P., Chrisolite, B., **Sivasankar, P**., George, M. R., Sudhagar L., Iyyappan T., Selvamagheswaran M., Mageshkumar, P., Padmavathy, P., Rani, V., and Amirtharaj, K., 2024. "Etiological factors driving white feces syndrome in farmed Pacific whiteleg shrimp, Penaeus vannamei in Tamil Nadu, India." *Aquaculture International*, 1-25.

5. **Sivasankar, P.,** Priyadarshini. M.M, John, K.R., Current Developments in Viral Disease Control in Aquaculture, Souvenir : 13th Indian Fisheries & Aquaculture Forum, 23-25 February 2024, ICAR-CIFRI, Kolkata

6. **Sivasankar, P.,** John, K.R., George, M.R., Mansoor, M.M., Kumar, P.M., Selvamagheswaran, M., 2023. Development of recombinant major capsid protein Vaccine and assessment of its efficacy against SRDV in similar damselfish (Pomacentrus similis). *Fish & Shellfish Immunology*, *141*, 109035.

7. John, K.R., **Sivasankar, P**., George, M.R. 2023. Status of Emerging and Reemerging Fish Viral Infections in India. In: Viral Outbreaks - Global Impact and Newer Horizons, Intechopen, London, UK, *DOI: http://dx.doi.org/10.5772/intechopen.109012*

8. Narsale, S. A., Chrisolite, B., **Sivasankar, P**., Subash, P., Mansoor, M., Selvamagheswaran, M., Sourabh, D., Mageshkumar, P., Sampa, B., Kadam, R., (2023). Isolation, characterization, virulence genes, antimicrobial resistant genes, and antibiotic susceptibility pattern of Vibrio parahaemolyticus in relation to AHPND from shrimp farms in coastal districts of Tamil Nadu. *Aquaculture International*, 1-17.

9. Rajendran K.V, Deepika A, Amod K, Manabesh M, Sanath H.K, Megha K.B, John RK, George MR, Mansoor M M, Selvamagheswaran M, **Sivasankar P**, Kaviarasu D, David B, Ronny van A. 2021. Three Draft Genome Sequences of White Spot Syndrome Virus from India.

Microbiology Resource announcements- Genome sequences, 10; e00579-21

10. John, K.R., George, M.R., Mageshkumar, P., Mansoor, M.M., Kaviarasu, D., **Sivasankar, P.**, Selvamagheswaran, M. and Petchimuthu, M. 2021. Isolation and characterisation of a novel rhabdovirus from snakehead fish showing ulcerations and mortality from India: First report. *Aquaculture*, 544, 737120.

11. **Sivasankar P**., Riji John K., Rosalind George M., Mohamed Mansoor M., Magesh Kumar P., Selvamagheshwaran M., Srinivasan A., Veerabhadran K. 2018. Analysis of immune gene expression in seabass (Lates calcarifer) immunized with inactivated vaccine against Similar Damselfish virus, *Indian Journal of Animal Research*, 55(1); 31-39.

12. **Sivasankar P**., Riji John K., Rosalind George M., Mohamed Mansoor M., Magesh Kumar P., Selvamagheshwaran M., 2018. Recent advances in the development of tropical fish viral vaccines: A review. *Journal of Cell and Tissue Research*, 18(2): 6441-6450.

13. **Sivasankar P**., Riji John K., Rosalind George M., Kaviarasu D., Mohamed Mansoor M., Magesh Kumar P., 2017. RNA viral diseases of finfish: A review. *International Journal of Current Research*, 9(11): 60206-60215.

14. **Sivasankar P**., Riji John K., Rosalind George M., Mohamed Mansoor M., Magesh Kumar P., Prince Jeyaseelan M.J., 2017. Characterization of a virulent ranavirus isolated from marine ornamental fish in India. *Virus Disease*, 28(4): 373-382.

15. **Sivasankar P**., Riji John K., Rosalind George M., Mohamed Mansoor M., Magesh Kumar P., Selvamagheshwaran M., 2017. Immune gene expression against similar damselfish virus (SRDV) induced by immunization with inactivated vaccine in juvenile koi carp. *International Journal of Current Microbiology and Applied Sciences*, 6(9): 1391-1402.

Students research guidance

Sl.No.	Name of the student	Title of thesis
1.	P.Kaviyarasu M.F.Sc student	Assessment of immunostimulatory potential of seaweed extract against Tilapia Lake virus
2.	M. M. Priyadharshini M.F.Sc student	Assessment of infectivity and immune gene expression in cultivable freshwater fishes challenged with Rhabdovirus

Medals/ Awards Received

1. **UGC- Rajiv Gandhi National Fellowship** for pursuing Ph.D for the year of 2014-2015 (Periods 2014 - 2018).

2. **Best paper presentation award** for the paper entitled **"**Isolated and characterised a new rhabdovirus from snakehead" in The 11th Indian Fisheries and Aquaculture Forum, ICAR-CIFT, Cochin, India.

3. **Best poster presentation award** for the paper entitled "Characterization of an iridovirus from a marine ornamental fish" in the 10th Indian fisheries and aquaculture Forum, ICAR NBFGR, Lucknow, India