

Individual Biodata

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Qualification : MFSc, PhD

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Field of Specialisation : Fish Processing Technology

Experience (in years) : 4 years and 6 months

Teaching

UG

1. FPT 112 Principles of Biochemistry (2+1)
2. FPT 121 Food Chemistry and Fish in Nutrition (2+1)
3. FPT 211 Biochemical Techniques and Instrumentation (1+2)
4. FPR312 Fish Canning and Packaging Technology (2+1)
5. FEG 221 Fishing Gear Technology (2+1)
6. FEG 212 Fishing Craft Technology (2+1)

PG

1. FPT 504 Applied Fish Biochemistry (2+1)
2. FPT 505 Techniques in Microbiology (1+1)

Current Projects

S.No.	Title of the project	Year	PI and Co-PI of the Project	Funds	Funding Agency
1.	Seasonal variation in the lipid and fatty acid profile of sardine (<i>Sardinella gibbosa</i>) and emperor fish (<i>Lethrinus lentjan</i>) from Thoothukudi coast	Two years	PI	-	TNFU
2.	Molecular characterization of pathogens associated with fish disease in Assam	One year	Co – PI	8.73 lakhs	DBT

3.	National Surveillance Programme for Aquatic Animal Disease	Five years	Co - PI	80.43 lakhs	NFDP
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Completed Projects

S.No.	Title of the project	Year	PI and Co-PI of the Project	Funds (Rs)	Funding Agency
1	Establishment of seafood knowledge highway to improve health, combat malnutrition and enhance income of fishers	2013-14	Co – PI	199.57 lakhs	NADP

Publications

International : 2 Nos

- ❖ Thiyagarajan, S., **Chrisolite, B.**, Alavandi, S. V., Kalaimani, N., Poornima, M., Santiago, T. C. 2011. Characterization of four lytic transducing bacteriophages of luminescent *Vibrio harveyi* isolated from *Penaeus monodon* hatcheries. FEMS Microbiology letters. 325, 85-91.
- ❖ **Chrisolite, B.**, Thiyagarajan.S., Alavandi, S.V. Abhilash, E.C., Kalaimani, N., Vijayan, K.K. and Santiago, T.C. 2008. Distribution of luminescent *Vibrio harveyi* and their bacteriophages in a commercial shrimp hatchery in South India. *Aquaculture* 275, 13-19.

National : 4 Nos

- ❖ Sugumar, G., **Chrisolite, B.**, Velayutham, P., Selvan, A. and Ramesh., U, 2008. Occurrence and seasonal variation of bacterial indicators of faecal pollution along Thoothukudi coast, Tamil Nadu. *Journal of Environmental Biology*.
- ❖ **Chrisolite, B.** and Sugumar, G. 2006. Antibiotic resistance patterns of *Escherichia coli* and *Salmonella* from Environmental samples of Thoothukudi coast. *Fishery Technology*. 43 (1), 93 – 98.
- ❖ **Chrisolite, B.**, Sugumar, G. and Velayutham, P. 2006. Microbiological quality of fishes landed along Thoothukudi coast. *J. Food Sci. Technol.* 43(1): 96-100.
- ❖ **Chrisolite. B.**, Sugumar, G., Velayutham, P., and Felix, N. 2005. Bacterial incidence in water and sand at fish landing sites along the Thoothukudi coast, Tamilnadu. *Indian J. Microbiol.* 45 (2): 155-159.