

Dr. SURESH. T, *MFSc., PhD.*

Assistant Professor
Dept. of Fisheries Microbiology
College of Fisheries, KVAFSU
Mangalore, Karnataka, India.



T. Suresh

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CURRICULUM VITAE

Current Position

August 2013 – till date : Assistant Professor
Department of Fisheries Microbiology
College of Fisheries, Mangalore, Karnataka, India.

Previous Experience

Jan 2009 - till date : Assistant Professor
Department of AH & VE
Karnataka Veterinary, Animal and Fisheries Sciences University, Hebbal,
Bangalore, Karnataka, India.

Previous Experience : Senior Research Fellow (SRF)
UNESCO-Mircen for Marine Biotechnology,
Department of Microbiology, College of Fisheries,
Mangalore, Karnataka, India.

Educational Qualification

Degree awarded	Year of completion	University/College studied	Grade
Doctor of Philosophy (Ph.D) (Fishery Microbiology)	2009	College of Fisheries Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar, India	89.3
Master of Fisheries Sciences (M.F.Sc) (Fishery Microbiology)	2004	College of Fisheries University of Agricultural Sciences, Bangalore, India	86.3
Bachelor of Fisheries Sciences (B.F.Sc)	2002	College of Fisheries University of Agricultural Sciences, Bangalore, India	79.0

Academic accomplishments

- Qualified National Eligibility Test (NET) for Assistant Professor/Lectureship from the Agricultural Scientists Recruitment Board, ICAR, New Delhi, India.
- Obtained 93rd rank and was qualified in the National Entrance Test for Junior Research Fellowship conducted by Indian Council of Agricultural Sciences (ICAR) in 2002.

Trainings/Workshops attended

1. Participated in International workshop on “Water safety and Water Microbiology”, 2003 Mangalore.
2. Participated as resource person in Workshop on “Molecular Techniques in Aquaculture and Seafood Safety”, 2006, Mangalore.
3. Participated in workshop on “Molecular techniques in infectious diseases”, 2007, Mangalore.
4. Participated as a resource person in FAO-SIDA International workshop on “Taxonomy of harmful algae and study of Biotoxins” 2008, Mangalore.
5. Participated in workshop on “Frontier lectures in Biotechnology”, 2007, Mangalore.
6. Participated in workshop on “Molecular techniques in infectious diseases”, 2007, Mangalore.
7. Participated in “National Symposium on Bioinformatics”, 2006, Mangalore.
8. Participated in Indo-Australian conferences on” Biotechnology on infectious diseases”, 2005, KMC, Manipal.

Teaching Experience

1. Offered courses on General Bacteriology, Immunology, Virology and Molecular biology for undergraduate students of College of Fisheries, KVAFSU, Mangalore.
2. Offered a course on “Food Technology “for undergraduate students of Dairy Science College, KVAFSU, Hebbal, Bangalore.
3. Offered a course on “Aquatic animal diseases, health care & management” for undergraduate students of Veterinary College, KVAFSU, Hebbal, Bangalore.

Research Experiences:

Doctoral Research

Thesis Title: Isolation and characterization of bioactive compounds from marine bacteria

The study was aimed at identification and characterization of bacterial strains with antimicrobial property along west coast of India. Molecular techniques like multiplex PCR, RAPD-PCR and AFLP were employed for fingerprinting of bacterial strains. Cloning and expression of novel gene from marine bacteria with antimicrobial property were also studied.

Master's Research

Thesis Title: The Virulence factors of *Vibrio harveyi* isolated from aquaculture system.

Vibrio harveyi is a luminous bacterium that is associated with crustaceans and other marine animals which is widely distributed in the coastal and estuarine environments. They cause disease in marine shrimps and finfish. The study was designed to understand certain extracellular enzymes secreted by *V. harveyi* which have virulence potential. In this study several virulent strains of *V.harveyi* were isolated and these isolates demonstrated high genetic diversity as indicated by RAPD.

Technical skills:

Molecular Biology: Isolation of DNA and plasmids, Gene cloning and expression in *E. coli*; Purification of recombinant proteins by affinity chromatography and FPLC; In vivo & in vitro protein assays; Biochemical characterization; Protein profiling; DNA fingerprinting/typing assays.

Bacteriology: Isolation and identification of bacteria from clinical samples; biochemical, pathogenicity and antibiogram studies; sub culturing and maintenance of cultures; bacterial typing.

Infectious Diseases: Investigations and data collection from disease outbreaks; clinical specimen collection and procession; diagnosis of diseases; handling and maintenance of experimental aquatic animals.

List of publications:

1. Purushottam, G.B, Malathi Shekar, **Suresh T.**, Venugopal M.N, Iddya Karunasagar, I. and Indrani Karunasagar . Phylogenetic Diversity of Bacterial Community Associated with the Marine Sponge *Halichondria nigrocutis* collected off Southwest Indian Coast. *Frontier J, Vet. Anim. Sci.* Vol 2, No.1 2013.

p 60 -68.

2. M. S. Rudraswamy, T. S. Sukanya, G. S. Yogesh and **Suresh, T.** Supplementation of Urea Molasses mineral block to grass fed local cattle of malenad region. Mysore J. Agric, Sci., 46 (4) 2012: 846-850,
3. Shivachandra, S. B., **Suresh, T.**, Shilpashree, B.G. and Gokulkrishnan, (2010). Rabies: current WHO guidelines for Prophylactic Strategies in Humans. Livestock Line, Feb 2010 p 27-29.
4. Shivachandra, S. B., **Suresh, T.**, Shilpashree, B.G. and Gokulkrishnan, S. (2010). Wildlife Reservoirs: Epicentres of emerging zoonosis. Pashudhan. Vol 36, Issue 04 April 2010.
5. Shivachandra, S. B., **Suresh, T.**, Shilpashree, B.G. and Gokulkrishnan, S. (2009). Influenza intrigue: inflictions on public health. Pashudhan. Vol 35, Issue 12 Dec 2009

Gene Bank submission:

- Contributed more than 74 gene sequence to NCBI GenBank nucleotide database.

Membership in Scientific Societies:

- Association of Microbiologists of India (AMI)
- Professional Fisheries Graduates' Forum (PFGF), Mumbai

Personal details:

Tel : +91-9901245631

Email : sureshtee@gmail.com

Date of Birth : 16-04-1980

Sex : Male

Marital Status : Unmarried

Father's Name : M.Thangavel

Mother's Name : Valliammal

Nationality : Indian

Languages known : English, Kannada, Tamil, Hindi

References

Dr (Mrs). Indrani Karunasagar
Professor & Head
Department of Microbiology,
College of Fisheries,
Mangalore 575 002
Karnataka, India.

Dr. H.M. Jayaprakasha
Professor
Department of Dairy Technology
Dairy Science College
Bangalore 560024
Karnataka, India

Declaration:

I here by declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Place: Mangalore

(Suresh, T)