



Dr. Sriprakash Mohanty

Principal Scientist & Head

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Department	Fish health management Division
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Date of Birth	
Sex	Male
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Educational Qualifications

1	B.V.Sc & A.H (OUAT, Bhubaneswar)
2	M.Sc. Dairy Microbiology (N.D.R.I, Karnal)
3	Ph.D. (Dairy Microbiology)

Projects in hand	<p>a. Isolation and Characterisation of microorganisms from freshwater ecosystems (AMAAS, ICAR)</p> <p>b. Development of a library of putative probionts from freshwater environment belonging to the group Lactic acid bacteria for application in freshwater aquaculture system (AMAAS, ICAR).</p> <p>c. Bio prospecting of genes and allele mining for abiotic stress tolerance (NAIP, ICAR).</p>
Area of interest	➤ Probiotics, Bio preservation and Biodiversity of microorganisms.
Guided students	➤ Guided nine M.Sc. and one Ph.D. student

Publications

Author(s)	Year	Title	Journal
Chao Li, Yu Zhang, Ruijia Wang, Jianguo Lu, Samiran Nandi, Sriprakash Mohanty, Jeffery Terhune, Zhanjiang Liu, Eric Peatman	2012	RNA-seq analysis of mucosal immune responses reveals signatures of intestinal barrier disruption and pathogen entry following <i>Edwardsiella ictaluri</i> infection in channel catfish, <i>Ictalurus punctatus</i> .	Fish & Shellfish Immunology
Mohanty, S., Choudhury, P.K., Dash, A., Samanta, M and Maiti, N.K.	2011	Genotypic and phenotypic diversity of <i>Bacillus</i> spp. Isolated from Freshwater Ecosystems.	Aquaculture Research & Development. (Open Access Journal, U.S.A) 2:2
P. Mishra, M. Samanta, S. Mohanty, N.K. Maiti.	2010	Characterization of <i>Vibrio</i> species isolated from freshwater fishes by ribotyping	.Indian Journal of Microbiology. 50 (1):101-103
Maiti, N.K., Mandal, A., Mohanty, S and Mandal, R.N	2009	Phenotypic and genetic characterization of <i>Edwardsiella tarda</i> isolated from pond sediments	Comparative Immunology Microbiology & Infectious Diseases,32,1-8
Maiti, N.K., Mandal, A., Mohanty, S and Samanta, M	2008	Comparative analysis of genome of <i>Edwardsiella tarda</i> by BOX-PCR and PCR-ribotyping.	Aquaculture, 280:0-63

Acharya, M., Maiti, N.K., Mohanty, S. , Mishra, P and Samanta, M.	2007	Genotyping of <i>Edwardsiella tarda</i> isolated from freshwater fish culture system.	Comparative Immunology Microbiology & Infectious Diseases. 30: 33-40
Tripathy, S., Kumar, N., Mohanty, S. , Samanta. M., Mandal, R.N and Maiti, N.K.	2007	Characterisation of <i>Pseudomonas aeruginosa</i> isolated from freshwater culture systems.	Microbiological Research, 162:391-396
Sahoo, P.K., Pillai, B.R., Mohanty, J., Kumari, J., Mohanty, S and Mishra, B.K.	2007	In Vivo humoral and cellular reactions, and fate of injected bacteria <i>Aeromonas hydrophila</i> in freshwater prawn <i>Macrobrachium rosenbergii</i>	Fish & Shell fish immunology
Akolkar, D., Samanta, S., Mohanty, S. , Mukhopadhyay, P.K and Maiti, N.K	2006	Molecular characterization of cellulolytic bacteria from two freshwater cyprinids by immunoblotting and RAPD-PCR	Journal of Aquaculture in Tropics. 21(3-4):133-147
Mishra, P., Samanta, M., Mohanty, S and Maiti, N.K	2006	Cloning and sequencing of 16S ribosomal RNA gene of <i>Vibrio fluvialis</i> isolated from <i>Cyprinus carpio</i> (Common Carp)	Journal of Aquaculture in Tropics. 21(3-4): 111-117
Kumar, N., Maiti, N.K., Mohanty, S. , Nandi, S and Meher, P.K	2006	16S rDNA PCR-restriction fragment length polymorphism analysis of <i>Pseudomonas</i> from freshwater fish culture system	Indian Journal of Microbiology. 46(3): 209-216
Akolkar, D., Samanta, M., Mohanty, S and Maiti, N.K	2005	Isolation of cellulolytic bacteria in <i>Labeo rohita</i> (Ham.) and assessment of their cellulase (β -glucosidase) activity.	Journal of Aquaculture in Tropics. 20(2): 119-126
Sahoo, PK., Mukherjee, S.C., Mohanty, S. , Dey, S and S.K. Nayak	1999	A preliminary study on acute citrinin toxicity in rohu (<i>Labeo rohita</i>) fingerlings	Indian Journal of Comparative Immunology and Infectious Diseases. 20(1): 62-64