

Individual Biodata



Name : Dr. K. Riji John
Designation : Professor and Head
Address : Department of Fish Pathology and Health Management

Qualification : MFSc, PhD (Fish Virology), Postdoc (Fish Biotechnology)

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Field of Specialization : Fish Pathology, Fish Virology, Aquatic Animal Health

Experience (in years) : 25

Teaching
 UG (courses) : 1
 PG (courses) : 5
 Ph.D (courses) : 1

Current 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 Diseases	2012-2017	Dr. K. Riji John Co-PI - Dr. M. Rosalind George Dr B Chrisolite Dr A Uma	80.43 Lakhs	NFDB-ICAR

Completed Projects :

No	Title of the project	Year	PI and Co-PI	Funds (Rs. In lakhs)	Funding agency
1.	Characterisation and maintenance of cell lines of fish and crab	2012-2014	PI - Dr. K. Riji John Co-PI - Dr. M. Rosalind George	9.81	DBT
2.	Impact of climate change on the population structure and virulence of viral and bacterial pathogens in marine environment and host response	2011-2014	PI - Dr. K. Riji John Co-PI - Dr. M. Rosalind George Dr. M.	55.00	CRIDA, ICAR

	alterations due to pathogen- abiotic synergy		J. Prince Jeyaseelan		
3.	Quantitative infectivity assessment of the white spot syndrome virus for virulence markers	2010- 2012	PI - Dr. M. Rosalind George Co-PI - Dr. K. Riji John Dr. M. J. Prince Jeyaseelan	30.45	DBT
4.	InNoVacc- Indo-Norway Platform for developing candidate vaccines to invertebrates, piscine and avian species - Indo-Norwegian Collaborative project – Principal Investigator	2010- 2015	PI - Dr. K. Riji John Co-PI - Dr. M. Rosalind George	72.16	DBT 2009-2012

Select Publications

1. M. Rosalind George, K. Riji John, M. Mohamed Mansoor, R. Saravanakumar, P. Sundar, and V Pradeep 2014 Isolation and characterisation of a ranavirus from koi experiencing mass mortalities in India. **Journal of Fish diseases** (doi:10.1111/jfd.12246)
2. Anix Vivek Santhya, A, M Rosalind George, K Riji John and M J Prince Jeyaseelan. Molecular variations in *Vibrio alginolyticus* and *V. harveyi* from shrimp farming systems upon stress 2014 **Brazilian Journal of Microbiology (in press)**
3. K Riji John, M Rosalind George, Bridget Jeyatha, R Saravanakumar, P Sundar, K.P Jitendran and Erling Olaf Koppang. 2014. Isolation and characterization of Indian betanodavirus strain from infected farm reared Asian seabass *Lates calcarifer* (Bloch, 1790) juveniles. **Aquaculture Research** 45: 1481–1488
4. K Riji John and M Rosalind George. Viruses associated with epizootic ulcerative syndrome (EUS) – an update 2012. **Indian Journal of Virology** 23(2):106–113
5. K Janarthanam, M Rosalind George, K Riji john, M J Prince Jeyaseelan 2012. *In vitro* and *in vivo* biocontrol of *Vibrio harveyi* using indigenous bacterium, *Bacillus* spp. **Indian Journal of Geo-Marine Sciences** 41:83-89
6. K Riji John, M Rosalind George, T Iyappan, A Jemila Thangarani and M J Prince Jeyaseelan 2010. Indian isolates of white spot syndrome virus exhibit variations in the pathogenicity and genomic tandem repeats. **Journal of Fish Diseases** 33: 749–758
7. Satendra Kumar, M. Rosalind George, K. Riji John, and M. J. Prince Jeyaseelan. 2007. Molecular typing of *Vibrio harveyi* and *V. alginolyticus* from shrimp farming systems. **Indian Journal of Marine Sciences** 36:43-50
8. Gusheinzed Waikhom, K. Riji John, M. Rosalind George and M. J. Prince Jeyaseelan. 2006. Differential host passaging alters pathogenicity and induce genomic variation in white spot syndrome virus. **Aquaculture** 261:54-63
9. Riji John K, Siba K Samal and Abdul S. Yunus. 2005. Generation of a minigenome with non-coding sequences of infectious pancreatic necrosis virus. **Indian Journal of Biotechnology** 4:378-383