

Institutional Projects

S. N.	Project Title	Personnel	Period
Molecular Biology & Biotechnology Division			
1	Cytogenetic characterization of prioritized marine and freshwater fish species.	B. Kushwaha, N.S. Nagpure and Ravindra Kumar	April, 2008 - March, 2011
2	Assessment of genotoxicity due to heavy metal pollution and heat stress in fishes	N. S. Nagpure, Ravindra Kumar and Basdeo Kushwaha	April, 2008 - March, 2011
3	Genetic characterization of commercially important fishes from the Western Ghats and marine habitat.	A. Gopalakrishnan, V.S. Basheer, T. Rajaswaminathan and P.R. Divya	April, 2009 - March, 2012
4	Cytogenetic and molecular characterization of freshwater catfishes using selected nuclear DNA region.	Ravindra Kumar, N. S. Nagpure, Basdeo Kushwaha, Mukunda Goswami and Akhilesh K. Mishra	April, 2009 - March, 2012
5	Protein profiling of Indian major carps based on Mass Spectrometric Analysis (ESI: Electrospray Ionization).	M Goswami, N. .S Nagpure, Ravindra Kumar and A. Srinivasan, Associate Professor (All India Institute of Medical Sciences, New Delhi)	April 2010 - March 2013
6	DNA Barcoding of Indian Marine fishes.	Mahender Singh, A. Gopalakrishnan, K.K. Lal, Peyush Punia, V. Mohindra, U.K. Sarkar, M. Goswami and K.V. Singh	October 2008 - March 2012
7	Genetic stock structure elucidation of commercially important fish species using microsatellite, mtDNA and molecular cytogenetic tools.	M. Singh, N.S. Nagpure, A. Gopalakrishnan and Ravinder Kumar	April, 2010 - March, 2013
Fish Conservation Division			
8	Outreach Activity on Fish Genetic Stocks.	Kuldeep K. Lal, A. Gopalakrishnan, P. Punia, V. Mohindra, U.K. Sarkar, Mukunda Goswami and Rajeev K. Singh	2008 - 2012
9	Genetic Approaches for conservation of prioritized Indian fish species. Sub project 1:	Kuldeep K. Lal, Vindhya Mohindra, Peyush Punia and Rajeev K. Singh	April, 2009 - March, 2012

	Documentation of Genetic diversity in prioritized fish species belongings to the group featherback, carps, murrels and catfishes.		
10	Sub-project 2: Captive breeding, larval rearing and gene banking of threatened catfishes. Development of breeding and sperm banking protocols for prioritized Indian finfishes belonging to groups catfishes, featherbacks, murrels and carps.	Sudhir Raizada, K.K. Lal, P.K. Varshney, P.P. Srivastava, A.K. Yadav and Sanjay Singh	April, 2010 - March, 2013
11	Sub-project 3: Documentation of mitochondrial genomes in fishes from important taxonomic groups.	Rajeev K. Singh and Vindhya Mohindra	April, 2010 - March, 2013
12	Neuroendocrine regulation of reproduction in threatened fishes.	A.K. Pandey, P. K. Varshney, R.S. Patiyal and A.K. Yadav	April 2008 - March 2011
13	Conservation of highly endemic freshwater fishes of the Western Ghats through milt cryopreservation and captive breeding.	V.S. Basheer, A. Gopalakrishnan, T. Raja Swaminathan , P.R. Divya, and K. Dinesh, Associate Professor, College of Fisheries, Kochi	April, 2009 - March, 2012
14	Role and potential of fisher folk organization and NGOs in Co-management of aquatic resources.	L.K. Tyagi, S.P. Singh, P.R. Divya, Amar Pal and Amit Singh Bisht	April, 2008 - March, 2011
15	AFLP fingerprinting and development of Microsatellite Markers for endangered Golden Mahseer.	Poonam Jayant Singh and M. Goswami	April, 2008 - March, 2011
16	Quality seed production of selected carps, catfish and endangered species.	P. K. Varshney, A. K. Pandey, A. K. Yadav and Sanjay Singh	April 2001 -March 2014
Fish Health Management Division			
17	Exploration of protozoan & monogenean parasites among carps and catfishes.	Rehana Abidi and S.M. Srivastava	April 2010 - March 2013
18	Production of monosex/sterile common carp <i>Cyprinus carpio</i> using Aromatase Inhibitors.	A K. Singh and P.P. Srivastava	April 2009 - March 2012
19	Development of monoclonal antibody based marker for	Neeraj Sood, Gaurav Rathore, P.K. Pradhan and Peyush Punia	April 2010 - March 2012

	monitoring humoral immune response in <i>Catla catla</i> .		
20	Development of <i>in vitro</i> cellular model for assessment of innate immunity parameters of <i>Labeo rohita</i> .	Gaurav Rathore, Neeraj Sood, P.K. Pradhan and P. Punia	April 2010 - March 2012
21	Molecular assay for detection of <i>Aphanomyces</i> invadans for surveillance and prediction of epizootic Ulcerative Syndrome outbreaks.	P.K. Pradhan, Rehana Abidi, Gaurav Rathore, Neeraj Sood and T.R. Swaminathan	April 2009 - March 2012
22	Disease surveillance of endemic and commercially important ornamental fishes of the Western Ghats.	T. Raja Swaminathan, A. Gopalakrishnan, V.S. Basheer and P.R. Divya	April 2009 - March 2012
Fish Taxonomy and Resources Unit			
23	Development of digital repository of fishes of India. Sub-Project-I: Finfish Diversity Database. Sub Project-II: Taxonomic information system for selected fishfishes.	S.P. Singh, U.K. Sarkar, A.K. Pathak, A.Kathirvelpandian, R.Dayal, Reeta Chaturvedi and Ravi Kumar	April 2007 - March 2012
24	Fish Germplasm Exploration, Assessment, Cataloguing and Conservation for North Eastern Region.	U.K. Sarkar, Mukunda Goswami, M.S. Verma, Ravindra Kumar and A. Kathirvelpandian	April, 2007 - March 2011