

On-going research projects

Sl. No.	Project Title	Funding	Project Team
Crustacean Culture Division			
Institute Funded Projects			
1.	Technology upgradation and refinement for sustainable development of diversified systems and species of penaeid shrimp	ICAR	PI: Dr. A. Panigrahi Co-PIs: Dr. M. Jayanthi, Dr. C.P. Balasubramanian, Dr. P. Nila Rekha, Dr. S. Kannappan, Dr. P. Shyne Anand, Ms. L. Christina, Dr. T.K. Ghoshal, Dr. M. Kumaran, Dr. K. Ambasankar, Dr. Sanjoy Das, Dr. R. Geetha, Mr. Jose Antony, Dr. N.S. Sudheer, Mr. I.F. Biju, Mr. R. Aravind, Ms. Suvana Sukumaran, Mr. Pankaj Amrut Patil, Dr. T.N. Vinay, Dr. S. Sivagnanam, Shri S. Rajamanickam
2.	Issues in biology, reproduction, larval rearing of candidate crustacean species for brackishwater aquaculture	ICAR	PI: Dr. C.P. Balasubramanian Co-PIs: Dr. C. Gopal, Dr. M. Jayanthi, Dr. A. Panigrahi, Dr. P. Nila Rekha, Dr. P. Shyne Anand, Ms. L. Christina, Dr. N.S. Sudheer, Mr. Jose Antony, Mr. I.F. Biju, Mr. R. Aravind, Dr. T.N. Vinay
3.	Demonstration of improved culture technologies in shell fish and finfish aquaculture and TSP programmes in Gujarat	ICAR	PI: OIC, Navsari Co-PIs: Dr. M. Kailasam, Dr. M. Muralidhar, Dr. P.K. Patil, Dr. P. Mahalakshmi, Dr. T. Ravisankar, Dr. M. Jayanthi, Dr. A. Panigrahi, Dr. P. Shyne Anand, Dr. Aritra Bera, Dr. S. Sivagnanam, Shri R. Puthiyavan
4.	Development of inland saline aquaculture in Punjab, Haryana, Rajasthan, Gujarat & Maharashtra	ICAR	PI: Dr. K.K. Vijayan Co-PIs: Dr. M. Kailasam, Dr. Aritra Bera, Mr. I.F. Biju, Mr. Jose Antony, Mr. R. Aravind, Mr. Pankaj Amrut Patil, Mr. Tanveer Hussain, Mr. Dani Thomas, Dr. K. Ambasankar, Dr. J. Syama Dayal, Dr. Debasis De, Dr. K.P. Kumaraguru Vasagam, Mr. K.P. Sandeep, Dr. M. Muralidhar, Dr. P.K. Patil, Dr. S.

			K. Otta, Dr. P. Kumararaja, Dr. Satheesha Avunje, Dr. N.S. Sudheer, Ms. Suvana Sukumaran, Dr. T. Ravisankar, Dr. C.V. Sairam, Dr. B. Shanthi, Dr. P. Nila Rekha
Externally Funded Projects			
5.	Upgradation of breeding and culture technology of Indian white shrimp <i>Fenneropenaeus indicus</i> through stock evaluation and culture demonstrations	NFDB	PI: Dr. A. Panigrahi Co-PIs: Dr. G. Gopikrishna, Dr. C. Gopal, Dr. S. Kannappan, Dr. K.P. Kumaraguru Vasagam, Dr. P. Mahalakshmi, Dr. K. Vinaya Kumar, Dr. P. Shyne Anand, Ms. L. Christina
6.	Seaweeds for bioremediation in recirculatory aquaculture system	DST	PI: Dr. P. Nila Rekha Co-PIs: Dr. K. Ambasankar, Dr. A. Panigrahi, Dr. K.P. Kumaraguru Vasagam
7.	Evaluation and refinement of indigenous automatic feeder for shrimp farming	NFDB	PI: Dr. P. Nila Rekha Co-PIs: Dr. K. Ambasankar
8.	Healthy Shrimp and 'GIFT' tilapia production through bio-floc based farming system: Development of technology and standard operating procedure	DBT	PI: Dr. A. Panigrahi Co-PIs: Dr. M. Shashi Shekhar, Dr. P. Nila Rekha, Dr. K.P. Kumaraguru Vasagam
9.	Optimization of aerators use to reduce production cost of shrimps under different brackishwater farming conditions		PI: Dr. M. Jayanthi Co-PIs: Dr. T. Ravisankar, Dr. M. Muralidhar, Dr. R. Saraswati, Dr. Aritra Bera
Finfish Culture Division			
Sl. No.	Project Title	Funding	Project Team
Institute Funded Projects			
10.	Evaluation of reproductive biology, breeding, larval biology and seed production of candidate finfish species for brackishwater aquaculture development	ICAR-CIBA	PI: Dr. M. Kailasam Co-PIs: Dr. M. Makesh, Dr. Satyanarayan Sethi, Dr. Krishna Sukumaran, Dr. G. Biswas, Dr. Prem Kumar, Dr. B. Sivamani, Dr. K.P. Kumaraguru Vasagam, Dr. J. Raymond Jani Angel, Smt. M.U. Rekha, Mr. Pankaj Amrut Patil, Mr. Tanveer Hussain, Mr. Dani

			Thomas, Mr. T. Sivaramakrishnan, Mr. R. Subburaj
11.	Development and refinement of finfish culture technologies for sustainable brackishwater aquaculture development	ICAR-CIBA	PI: Dr. M. Makesh Co-PIs: Dr. M. Kailasam, Dr. Satyanarayan Sethi, Dr. Krishna Sukumaran, Dr. G. Biswas, Dr. Prem Kumar, Dr. Aritra Bera, Smt. Babita Mandal, Smt. M.U. Rekha, Mr. Tanveer Hussain, Mr. Dani Thomas, Mr. Pankaj Amrut Patil , Mr. T. Sivaramakrishnan, Mr. R. Subburaj

Aquatic Animal Health and Environmental Division

Sl. No.	Project Title	Funding	Project Team
Institute Funded Projects			
12.	Invertebrate and finfish diseases in brackishwater aquaculture and development of prophylactic and therapeutic strategies	ICAR-CIBA	PI: Dr. S.V. Alavandi Co-PIs: Dr. K.K. Vijayan, Dr. K.P. Jithendran, Dr. M. Poornima, Dr. P.K. Patil, Dr. S. K. Otta, Dr. Sanjoy Das, Dr. P. Ezhil Praveena, Dr. R. Ananda Raja, Dr. Sujeet Kumar, Dr. T. Bhuvaneswari, Mrs. Mary Lini, Dr. Vidya Rajendran, Mr. T. Sathish Kumar, Mr. Joseph Sahaya Rajan
13.	Development of water and soil health card for environmental management of brackishwater aquaculture systems	ICAR-CIBA	PI: Dr. M. Muralidhar Co-PIs: Dr. R. Saraswathy, Dr. N. Lalitha, Dr. P. Kumararaja, Dr. Satheesha Avunje, Ms. Suvana Sukumaran, Mr. Jose Antony, Dr. A. Nagavel
Externally Funded Projects			
14.	National surveillance programme for Aquatic Animal Health	NFDB	PI: Dr. S.V. Alavandi Co-PIs: Dr. K.K. Vijayan, Dr. K.P. Jithendran, Dr. M. Poornima, Dr. Sanjoy Das, Dr. Sujeet Kumar, Dr. P. Ezhil Praveena, Dr. T. Bhuvaneswari, Dr. R. Ananda Raja, Mr. T. Sathish Kumar, Dr. Vidya Rajendran
15.	All India Network on Fish Health	ICAR	National Coordinator: Dr. K.K. Vijayan PI: Dr. P.K. Patil

			Co-PIs: Dr. S.V. Alavandi, Dr. S.K. Otta, Dr. Sanjoy Das, Dr. R. Ananda Raja, Dr. T. Bhuvaneswari, Dr. Satheesha Avunje, Dr. M. Makesh, Dr. R. Saraswathy, Dr. N. Lalitha, Dr. P. Kumararaja, Dr. C.V. Sairam, Dr. T. Ravisankar, Dr. R. Geetha
16.	Development of diagnostics and vaccines for sustainable aquaculture	ICAR	Project Coordinator: Dr. M. Makesh
	a. Development of RNAi-mediated prophylaxis and therapy of white spot syndrome virus (WSSV)		PI: Dr. S.K. Otta Co-PIs: Dr. S.V. Alavandi, Dr. M. Makesh
	b. Development of vaccine for betanoda virus infecting seabass, <i>Lates calcarifer</i>		PI: Dr. M. Makesh Co-PIs: Dr. M. Poornima, Dr. K.P. Jithendran, Dr. P.K. Patil, Dr. Sujeet Kumar
	c. Biocontrol of vibrios in shrimp hatcheries using bacteriophages		PI: Dr. S.V. Alavandi Co-PIs: Dr. Satheesha Avunje, Dr. Vidya Rajendran
	d. Development of probiotics and immunostimulants for shrimp		PI: Dr. P.K. Patil Co-PIs: Dr. S.V. Alavandi, Dr. Satheesha Avunje, Dr. T. Bhuvaneswari, Dr. R. Ananda Raja
	e. Development of improved diagnostics to existing and emerging pathogens of shrimp and fish		PI: Dr. M. Makesh Co-PIs: Dr. S.V. Alavandi, Dr. Ezhil Praveena, Dr. M. Poornima, Dr. S.K. Otta, Mr. T. Sathish Kumar, Dr. Vidya Rajendran
17.	National Innovations in Climate Resilient Agriculture (NICRA)- Impact of climate change on aquaculture and mitigation options for minimizing green house gases from aquaculture sector	ICAR	PI: Dr. M. Muralidhar Co-PIs: Dr. M. Jayanthi, Dr. J. Syama Dayal, Dr. A. Panigrahi, Dr. M. Kumaran, Dr. R. Saraswathy, Dr. S.K. Otta, Mr. J. Ashok Kumar, Dr. N. Lalitha, Dr. P. Kumararaja, Dr. Aritra Bera, Dr. Satheesha Avunje, Ms. Suvana Sukumaran, Dr. A. Nagavel

Nutrition, Genetics & Biotechnology Division

Sl. No.	Project Title	Funding	Project Team
Institute Funded Projects			
18.	Biotechnological interventions and application of bioinformatic tools for improvement of brackishwater fish and shellfish	ICAR-CIBA	PI: Dr. G. Gopikrishna Co-PIs: Dr. K.K. Vijayan, Dr. M. Shashi Shekhar, Dr. Sherly Tomy, Dr. K. Vinaya Kumar, Dr. B. Sivamani, Dr. J. Raymond Jani Angel, Ms. Misha Soman
19.	Newer feed resources and feed additives for development and improvement of shrimp and fish feeds	ICAR-CIBA	PI: Dr. K. Ambasankar Co-PIs: Dr. J. Syama Dayal, Dr. T.K. Ghoshal, Dr. Debasis De, Dr. K.P. Kumaraguru Vasagam, Mr. K.P. Sandeep, Ms. Leesa Priyadarsani
Externally Funded Projects			
20.	Outreach activity on fish feed	ICAR	PI: Dr. K. Ambasankar Co-PIs: Dr. J. Syama Dayal, Dr. T.K. Ghoshal, Dr. Debasis De, Dr. K.P. Kumaraguru Vasagam, Ms. Leesa Priyadarshini
21.	Outreach activity on nutrient profiling and evaluation of fish as a dietary component (Lead Centre: CIFRI, Barrackpore)	ICAR	PI: Dr. J. Syama Dayal Co-PIs: Mr. K.P. Sandeep, Mr. Jose Antony, Mr. T. Sivaramakrishnan
22.	Outreach activity on fish genetic stocks (Lead Centre: NBFGR, Lucknow)	ICAR	PI: Dr. G. Gopikrishna Co-PIs: Dr. M. Shashi Shekhar, Dr. C.P. Balasubramanian, Dr. Sherly Tomy, Dr. J. Raymond Jani Angel, Dr. T.N. Vinay, Ms. Misha Soman
23.	Whole genome sequencing of Indian white shrimp <i>Penaeus indicus</i>	ICAR	PI: Dr. M. Shashi Shekhar Co-PIs: Dr. G. Gopikrishna, Dr. K. Vinaya Kumar, Mr. J. Ashok Kumar, Dr. C. P. Balasubramanian, Dr. S.K. Otta, Dr. Santhosh J. Eapen (ICAR-IISR)
24.	Poverty alleviation through prevention and future control of the two major socio-economically important diseases in Asian Aquaculture	DBT	PI: Dr. M. Shashi Shekhar Co-PIs: Dr. K.K. Vijayan, Dr. G. Gopikrishna, Dr. K. Vinaya Kumar, Mr. T. Sathish Kumar
25.	Stock characterization, captive breeding, seed production and culture of hilsa (<i>Tenualosa ilisha</i>)	NASF	PI: Dr. Debasis De Co-PIs: Dr. Prem Kumar

Sl. No.	Project Title	Funding	Project Team
Social Sciences Division			
Institute Funded Projects			
26.	Research and developmental interventions for sustainable brackishwater aquaculture	ICAR-CIBA	PI: Dr. C.V. Sairam Co-PIs: Dr. V.S. Chandrasekaran, Dr. T. Ravisankar, Dr. B. Shanthi, Dr. D. Deboral Vimala, Dr. M. Kumaran, Dr. P. Mahalakshmi, Mr. J. Ashok Kumar, Dr. R. Geetha
Externally Funded Projects			
27.	Investigations on pathogenic microorganisms of shrimp aquaculture using metagenomic and other bioinformatics approaches		PI: Mr. J. Ashok Kumar Co-PIs: Dr. S.V. Alavandi, Dr. K. Vinaya Kumar, Mrs. Mary Lini, Dr. Satheesha Avunje, Dr. Monendra Grover
Kakdwip Research Centre			
Sl. No.	Project Title	Funding	Project Team
Institute Funded Projects			
28.	Development of economically viable and sustainable brackishwater aquaculture practices with special reference to Sundarban Mangrove biosphere	ICAR-CIBA	PI: Dr. T.K. Ghoshal Co-PIs: Dr. Debasis De, Dr. Sanjoy Das, Dr. G. Biswas, Dr. Prem Kumar, Ms. L. Christina, Ms. Leesa Priyadarsani
Other Projects			
29.	Agri-Business Incubation centre (ABI) at CIBA, Chennai	NAIF - ICAR	PI: Dr. T. Ravisankar Co-PI : Dr.P.K.Patil
30.	Intellectual property Management and Transfer/ Commercialization of Agricultural Technology Scheme (Up-scaling of existing components i.e. Intellectual property Right (IPR)	NAIF - ICAR	PI: Dr. T. Ravisankar Co-PI : Dr.P.K.Patil