

List of projects 2024-25

Sl.No	Project Title	Principal Investigator
Crustacean Culture Division (CCD)		
Institute funded projects		
1.	Evaluation of aquaculture potential of diversified crustacean species: <i>Penaeus japonicus</i> , <i>Scylla</i> spp and ornamental crustaceans. FISHCIBASIL202300100152	Balasubramanian CP.
2.	Amelioration of soil and water under different geographical regions for sustainable aquaculture production FISHCIBASIL202300200153	Saraswathy R.
3.	Captive broodstock development and induced maturation techniques of kuruma shrimp, <i>Penaeus japonicus</i> Form II through hormonal/ environmental & dietary approaches FISHCIBASIL202300300154	Shyne Anand
Externally funded projects		
4.	Demonstration of viable farming protocols for indigenous brackish water seaweed species for income generation among coastal folks. FISHCIBASOL202201000127	Nila Rekha P.
5.	Development of indigenous shrimp (Indian white shrimp) aquaculture: Genetic improvement Program of <i>Penaeus indicus</i> , Phase – I. FISHCIBASOL202200200119	Akshya Panigrahi
6.	Biofortification of trace elements in biofloc based aquaculture –microbial mediated approach for value added healthy shrimp and fish production FISHCIBASOL202300100133	Akshya Panigrahi
7.	Development and demonstration of artificial intelligence based precision aquaculture technologies FISHCIBASOL202300200134	Nila Rekha P.
8.	Evaluation and Refinement of biofloc based new age farming technology through effective microbial management, recirculation and input optimization for sustainable intensification across different aquaculture system. FISHCIBASOL202300800140	Akshya Panigrahi
9.	Geospatial mapping of potential zones for expanding responsible aquaculture in Maharashtra FISHCIBASOL202400100141	M. Jayanthi
Finfish Culture Division (FCD)		
Institute funded projects		
10.	Upscaling the breeding and seed production of grey mullet (<i>Mugil cephalus</i>) and Magrove Red snapper (<i>Lutjanus argentimaculatus</i>) FISHCIBASIL202300400155	Kailasam M.
11.	Characterizing and developing the indigenous fish cell lines to prove stemness and proliferation in seafood cell culture. FISHCIBASIL202300500156	Makesh M.

12.	Application of assisted reproductive techniques in breeding programmes for Lates calcarifer FISHCIBASIL202300600157	Sherly Tomy.
13.	Broodstock development and captive maturation of Streaked spine foot Siganus javus & S. lineatus FISHCIBASIL202300700158	Jayakumar R.
14.	Optimization of larval rearing protocol and mass scale seed production of Goldlined Seabream Rhabdosargus sarba. FISHCIBASIL202300800159	Senthil Murugan T.
15.	Development of base population for selective breeding on growth in pearlspot. FISHCIBASIL202300900160	Sivamani B.
16.	Reliable seed production of brackishwater finfishes Seabass (Lates calcarifer), Milkfish (Chanos chanos) Mono angel (Monodactylus argenteus)and Scat (Scatophagus argus). FISHCIBASIL202301000161	Subburaj R.
Externally funded projects		
17.	Development of brackishwater aquaculture through optimisation of captive breeding protocols of potential and emerging ornamental fish species, technology transfer and livelihood generation. FISHCIBASOL201800700099	Kailasam M.
18.	Development of recombinant microalgae expressing Nervous necrosis virus capsid protein for vaccinating finfish against viral nervous necrosis (CRP on Vaccines and Diagnostics). FISHCIBASOL202201100128	Makesh M.
19.	Pilot study on demonstrating Deep Learning based Non-invasive Ultrasound tool for assessing sexual maturation of Asian seabass (Lates calcarifer).	Senthil Murugan T.
20.	Genome editing approaches for improving growth and reproductive performance of Asian seabass (Lates calcarifer) and Indian white shrimp (Penaeus indicus). FISHCIBASOL202400300143	Sherly Tomy.
21.	AINP on Ornamental Fish Breeding and Culture. FISHCIBASOL202400500145	Shri. Dani Thomas
Aquatic Animal Health and Environment Division (AAHED)		
Institute funded projects		
22.	Genotyping and virulence analysis of white spot syndrome virus. FISHCIBASIL202301100162	Shashi Shekhar M.
23.	Evaluation of stress mediated immunological and physiological response in brackishwater candidate species by flowcytometry. FISHCIBASIL202301200163	Shashi Shekhar M.
24.	Application of gene editing technologies (CRISPR/Cas) for disease diagnosis. FISHCIBASIL202301300164	Poornima M.
25.	Interaction of Enterocytozoon hepatopenaei (EHP) and Vibrio spp. in disease outcome and their therapeutics. FISHCIBASIL202301400165	Ananda Raja R.

26.	Aquaculture pond ageing on soil, water quality and crop productivity in shrimp culture ponds FISHCIBASIL202301500166	Kumararaja P.
27.	Fish diseases and their management with special reference to Amyloodinium ocellatum and other parasites. FISHCIBASIL202301600167	Vidya Rajendran
28.	Field evaluation of Enterocytozoon hepatopenaei (EHP) therepeutic CIBA EHP cura I. FISHCIBASIL202301700168	Sathish Kumar T.
Externally funded project		
29.	National Surveillance Programme for Aquatic Animal Diseases (NSPAAD) - 2. National Referral Laboratory for Brackishwater Fish Diseases. FISHCIBASOL202200700124	Subhendu Kumar Otta
30.	Indian Network for Fisheries and Animals Antimicrobial Resistance (INFAAR). FISHCIBASOL201800400096	Subhendu Kumar Otta
31.	All India Network project on fish health FISHCIBASOL202000200105	Patil PK.
32.	Development of molecular diagnostics for differentiation of pathogenic and non-pathogenic Vibrio species in aquaculture. FISHCIBASOL202201400131	Sujeet Kumar
33.	National Surveillance Programme for Aquatic Animal Diseases (NSPAAD) - 1. National Surveillance Programme for Aquatic Animal Diseases in Tamil Nadu. FISHCIBASOL202200600123	Ezhil Praveena P.
34.	National Innovations in Climate Resilient Agriculture (NICRA) - Developing sustainable adaptive and mitigation strategies for climate smart brackishwater aquaculture. FISHCIBACOP201100100057	Muralidhar M.
35.	Development of probiotics and immunostimulants for shrimp. FISHCIBASOL202201200129	Patil PK.
36.	Development of point of care diagnostics for the detection of major shrimp pathogens WSSV and EHP FISHCIBASOL202201500132	Sathish Kumar T.
37.	Novel approaches for disease-free health certification in finfish and development of high health shrimp for sustainable aquaculture. FISHCIBASOL202200300120	Subhendu Kumar Otta
38.	Development of microalgae based improved delivery method for control of shrimp White Spot Syndrome Virus (WSSV) in culture ponds. FISHCIBASOL202201300130	Subhendu Kumar Otta
39.	Precision brackishwater aquaculture using Machine Intelligence. FISHCIBACOL202100800116	Muralidhar M.
40.	Genome sequencing and its application for Brackishwater Aquaculture. FISHCIBASIL202301100162	Shashi Shekhar M.
41.	IoT based water and soil health monitoring systems with affordable indigenous sensors for intensive aquaculture FISHCIBASOL202400400144	Muralidhar M.

Nutrition, Genetics & Biotechnology Division		
Institute funded projects		
42.	Identification and evaluation of diversified feed ingredients for their utility in shrimp and fish feeds for sustainability. FISHCIBASIL202301800169	Ambasankar K.
43.	Development, testing and demonstration of newer feeds and feed management strategies. FISHCIBASIL202301900170	Ambasankar K.
44.	Production and management of live feeds for use in aquaculture. FISHCIBASIL202302100172	Kumaraguru Vasagam KP.
45.	Molecular approaches for solutions directed towards the management of diseases and feed for aquaculture species. FISHCIBASIL202302200173	Vinaya Kumar Katneni
Externally funded projects		
46.	Investigations on dietary alterations in shrimp for abiotic stresses using nutrigenomics approach FISHCIBASOL202000300106	Ashok Kumar J.
47.	Atlas of Climate Adaptation in South Asian Agriculture. FISHCIBASOL202300600138	Ashok Kumar J.
48.	Whole genome sequencing of brackishwater aquaculture candidate species and development of genomic resources. FISHCIBASOL202000100104	Vinaya Kumar Katneni
49.	Development of grow-out technology for mass culture of sand and muddy polychaete worms and assessment of their seasonal nutritional profiling for use in shell and finfish hatcheries. FISHCIBASOL202100200110	Kannappan S.
50.	Solid state fermentation technology for development of cost effective customized plant protein products as fishmeal alternate for shrimp feed. FISHCIBASOL202100400112	Syama Dayal J.
51.	Unravelling signatures of growth and salinity adaptation in Etroplus suratensis through omics approaches. FISHCIBASOL202100500113	Vinaya Kumar Katneni
52.	New age shrimp rearing system for precise use of land, water and feed. FISHCIBASOL202300400136	Kumaraguru Vasagam KP.
53.	Unravelling signatures of dietary protein sparing and fibre tolerance in Penaeus vannamei for development of cost effective feeds through omics approaches FISHCIBASOL202300700139	Syama Dayal J.
Social Science Division		
Institute Funded Project		
54.	Demonstrations of ICAR-CIBA nursery and grow-out technologies for livelihood upliftment and skill development of SC and tribal communities of coastal Odisha. FISHCIBASIL202302300174	Ravisankar T.

55.	Economic Analysis in brackishwater aquaculture production marketing and trade sectors FISHCIBASIL202302400175	Sairam CV.
56.	Brackishwater Aquaculture Technologies Integrated with Agro-Based Technologies for Livelihood Development of Communities. ISHCIBASIL202302500176	Shanthi B.
57.	Livelihood analysis on gender participation in aquaculture sectors and impact of environmental changes and challenges faced by coastal families FISHCIBASIL202400600186	Shanthi B.
58.	Brackishwater aquaculture led integrated livelihood development for the coastal SC families in Mayiladuthurai district of Tamil Nadu FISHCIBASIL202302600177	Kumaran M.
59.	Diversification of farming activities for alternate sustainable livelihood of fisherfolk in Tamil Nadu and Karnataka. FISHCIBASIL202302700178	Geetha R.
Externally funded projects		
60.	Promotion of Integrated Multi-trophic Aquaculture (IMTA) Technology for income generation and optimum use of bio-resources FISHCIBASOL202200100118	Deboral Vimala
61.	Production Systems, Agribusiness and Institutions - Component 1 : Impact of Agricultural Technology FISHCIBACOL202200500122	Geetha R.
62.	Development and pilot scale implementation of crop insurance solution for sustainable shrimp farming FISHCIBASOL202300500137	Ravisankar T.
63.	Establishment of DBT Rural Bioresources Complex at Ramanathapuram District, Tamil Nadu FISHCIBASOL202200400121	Mahalakshmi P.
64.	Front line demonstration on mudcrab and blue swimmer crab in polyculture and monoculture systems FISHCIBA202400200142	Mahalakshmi P.
Kakdwip Research Centre (KRC)		
Institute funded projects		
65.	Demonstration and dissemination of brackishwater aquaculture technologies for livelihood development of SC and ST communities of Sundarban FISHCIBASIL202302800179	Debasis De
66.	Field validation and economic evaluation of effectiveness of Plankton Plus in agriculture, horticulture and aquaculture for livelihood improvement of SC and ST communities of India. FISHCIBASIL20230290180	Debasis De
67.	Captive breeding and seed production of candidate brackishwater species of eastern region of India FISHCIBASIL202303000181	Debasis De

68.	Development and demonstration of sustainable and economically viable brackishwater aquaculture models for Eastern region of India. FISHCIBASIL202303100182	Sanjoy Das
Externally funded projects		
69.	Captive Breeding of Hilsa, Tenulosa ilisha: Phase II FISHCIBASOL202100100109	Debasis De
Navsari Gujarat Research Centre (NGRC)		
Institute funded project		
70.	Development of sustainable and cost-effective brackishwater farming technologies for shellfish and finfish in the western region. FISHCIBASIL202303200183	Akshya Panigrahi
71.	Demonstrations of brackishwater aquaculture technologies for livelihood upliftment and skill development of tribal communities of Western region FISHCIBASIL202303300184	Pankaj Amrut Patil
72.	Livelihood enhancement and skill development of SC communities in Gujarat through demonstration of brackishwater aquaculture technologies FISHCIBASIL202303400185	Shri Jose Antony