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DIRECTORATE OF RESEARCH

Ongoing Research Projects (Updated up to Nov. 2022)
Abstract

DST - SERB	1
DST – SERB (Start Up)	1
EDII	1
ICAR - NICRA	2
ICAR	1
DBT	1
TN - IAMP	1
TANII	2
NADP	6
NABARD	1
State Fund	4
NCCR	1
TNSLURB	1
PMMSY funding	1
University Funded Projects	10
Total	34

Sl. No	Title of the Scheme & Location	Budget (Rs. in Lakh)	Period
	DST - SERB		
1.	Production of Eicosapentaenoic acid from Marine diatom <i>Phaeodactylumtricornutum</i> isolated from the coastal waters of Gulf of Mannar (FC&RI, Thoothukudi)	35.58	2019 – 2022
	DST – SERB Start up		
2.	Investigation on molecular cross talk of inflammatory hub NFkB and NICD using Zebra Fish model (IFPGS, Vaniyanchavadi, Chennai)	31.10	2022 – 2024
	EDII		
3.	EDII project on Establishment of Marine Products Business Incubation Centre (FC&RI, Thoothukudi)	250.00	2019-2022 Extended up to 2024

	ICAR - NICRA		
4.	Deciphering genomic insights associated with adaption in <i>Etroplus suratensis</i> , (Pearl Spot) for Climate Resilient Aquaculture (IFPGS, Vaniyanchavadi, Chennai)	33.50	2022-2024
5.	Climatic Changes and their role in the emergence of antibiotic resistant <i>Salmonella</i> in farmed shrimp and its environment (FC&RI, Thoothukudi)	34.75	2022 – 2024
	DBT		
6.	Nutrigenomics studies on feed development for larvae of striped murrel (<i>Channa striatus</i>) (DIVA, Muttukadu)	54.00	2021-2024
	TN -IAMP		
7.	Tamil Nadu Irrigated Agriculture Modernization Project (TN IAMP) (DSA) 1. Development of optimum sustainable production model for irrigation tanks and farm ponds in Tamil Nadu 2. Development and management of pure line inland fish brooders in the brooder farm and production of good quality seeds 3. Formulation of species specific fish feed using locally available low cost ingredients 4. Capacity building and training of trainers, fishers, fish farmers and entrepreneurs in the adoption of advanced farming techniques 5. Aquaponics and Raceway model development and dissemination 6. Development of new strain for inland fish farm	250.00	2017 -2023
	TANII		
8.	Artificial Coral Reef/Live Rock (ACR/LR) and Fish Aggregating Artificial Reef (FAAR) to enhance the fish diversity and biomass in the sea near the Pulicat Lake towards fishing pressure reduction and livelihood improvement of fisherfolk in the Lake region (DR. MGR FC&RI, Ponneri)	430.66	2019-2022
9.	Assessment of spawning seasonality of major marine fishery groups along the coast of Tamil Nadu for sustainable fishery management (FC&RI, Thoothukudi)	146.80	2022-2024
	ICAR		
10.	National Surveillance Programme for Aquatic Animal Diseases (FC&RI, Thoothukudi)	52.20	2022-2025

	NADP		
11.	Integrated Fish Farm Model complex at Fisheries College and Research Institute, Thoothukudi for capacity building for inland fish culturist to augment fish production (FC&RI, Thoothukudi)	276.50	2021 -2023
12.	Establishment of "Aquaponics Technology Park" for the production of multiple vegetable crops by Recirculating Fish Culture water in the water limited area of Barur, Krishnagiri District (KBCeSA)	198.00	2021-2022
13.	Development of cost-efficient feeds and farming practices of Asian Seabass for fish farmers of Tamil Nadu at Directorate of Incubation and Vocational Training in Aquaculture, TNJFU, Muttukadu (DIVA, Muttukadu)	80.00	2021-2022
13.	Integrated Disease Surveillance monitoring system and Seed quality assessment to Augment Aquaculture Production in Tamil Nadu at TNJFU Campus, Madhavaram (Dr MGR FCRI, Ponneri)	101.80	2021-2023
14.	Training Facility on Safety at sea for fishermen at Directorate of Incubation and Vocational Training in Fisheries, TNJFU, Mandapam (DIVF, Mandapam)	120.00	2021-2022
15.	Establishment of "DIGITAL BLUE" -e-extension hub in Aquaculture and Fisheries Sector (Dr MGR FCRI, Ponneri)	106.00	2021-2022
	NABARD		
16.	Establishment of Freshwater Ornamental fish brood bank for sustainable ornamental aqua farming in Tiruchirappalli district (Trichy CeSA)	350.00	2018-2021 Extended up to 2023
	State Govt. funded		
17.	Establishment of Fisheries Demonstration Complex in Advanced Institute for Integrated Research on Livestock and Animal Sciences (AIIRLIVAS) at Thalaivasal (Dr MGR FCRI, Ponneri)	267.00	2020-2023
19.	Cost Effective Captive breeding technology for <i>Channa striata</i> (striped Murrel) for filed level adoption (Dr MGR FCRI, Ponneri)	15.184	2021-2023
20.	Establishment of Deep sea Fishing Technology Training and Management centre at Thoothukudi (DIVF)	382.0	2019-2021 Extended up to 30.06.2023
21.	Establishment of Loach (Ayirai Meen) Research Centre in Theni District for promoting Loach farming (Theni)	268.20	2022-2025

	TNSLURB		
	Development of Dry Land On integrated Biofloc Tank and Farm Pond Polyculture system for adoption in fallow land region for Salem District (Dr MGR FCRI, Ponneri)	11.185	2021-2023
	NCCR		
22.	Study on the assessment of fishery resources and its productivity to assess the ecosystem services in the critical ecosystems along the east coast of India (Dr MGR FCRI, Ponneri)	123.91	2022-2026
	PMMSY funding		
23.	Empowerment of Artisanal Fisherfolk of Pazhaverkadu Area through mud crab culture Technology (Dr MGR FCRI, Ponneri)	116.00	2022-2024

List of University Funded Projects

S.No	Title of the Scheme	Period	Location
URP			
1.	A study of Ichthyofaunal diversity along the Chennai Coast of Bay of Bengal	2022-2023	Dr.MGR FC&RI, Ponneri
2.	Seasonal Variation and Diversity assessment of macrobenthos in Pulicat Lagoon (Pazhaverkadu region)	2022-2023	Dr. MGR FC&RI, Ponneri
3.	Assessing Seasonal Variations of plankton biomass and diversity in Thoothukudi coastal waters	2022-2023	FC&RI, Thoothukudi
4.	Assessment of molluscan diversity and debris abundance in Point Calimere wetland	2021 -2022 (Extended up to March 2023)	Dr. MGR FC&RI, Thalanaiyeru
JTRF			
5.	Improvement of Catch efficiency of wire mesh traps for reef fishery of Threspuram fishing village of Thoothukudi district	2021-2023	FC&RI, Thoothukudi
6.	Design and Development of nanogenerator from crustacean shell waste	2021-2023	CoFE, Nagapattinam
7.	Design and Development of IOT based smart fish grading system	2021-2023	CoFE, Nagapattinam
8.	Evaluation of three microalgae (<i>Nanochloropsis oculata</i> , <i>Dunaliella salina</i> and <i>Tetraselmis gracilis</i>) for their efficiency in the bio-enrichment of rotifers for use in hatcheries	2021-2023	MCeSA, Mandapam

9.	Spatial Distribution of Beta lactam resistance genes among <i>Vibrio spp</i> isolated from shrimp farms of Vedaranyam	2021-2023	Dr. MGR, Thalainayeru
10.	Digital Solutions for sea turtle conservation in South Tamil Nadu	2021-2023	FC&RI, Thoothukudi