

ONGOING EXTERNALLY FUNDED PROJECTS

1. Outreach activity on fish feed and Nutrient profiling of Brackishwater fish and shrimp
2. National Initiatives on Climate Resilient Agriculture-Impact of climate change on aquaculture and mitigation options for minimizing greenhouse gases from aquaculture sector
3. National surveillance programme for Aquatic Animal Health
4. Network Project on Investigations on dietary alterations in shrimp for abiotic stresses using nutrigenomics approach
5. All India Network on Fish Health
6. Network Project on Anti-microbial resistance
7. Development of brackishwater aquaculture through optimisation of captive breeding protocols of potential and emerging ornamental fish species, technology transfer and livelihood generation.
8. Development of diagnostics and vaccines for sustainable aquaculture
9. Genomic resources for augmentation of economic traits in Indian white shrimp *Penaeus indicus* and whole genome sequencing of brackishwater aquaculture candidate species
10. Development and Validation of Smart Aquaculture Model (SAM): Application of ICT and Data analytics for sustainable shrimp aquaculture
11. Captive Breeding of Hilsa, *Tenualosa ilisha*: Phase II
12. Coastal watershed based surface and subsurface salinity mapping and modelling of Thiruvallur and Kanchipuram districts, Tamil Nadu for sustainable aquaculture
13. Resource Mapping of Brackishwater Aquaculture in Tamil Nadu
14. Impact assessment of aquaculture on agriculture, coconut gardens and drinking water in East Godavari District, Andhra Pradesh with specific reference to salinization
15. Environmental and Social Impact assessment study for assessing the suitability of derelict paddy fields for shrimp Farming in Kerala
16. 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.
17. Brackishwater integrated multi-trophic cage aquaculture of different species, Pearl spot breeding & Crab box culture in diverse rearing systems for alternate livelihood and Societal development of mangrove based fisher folks of Maharashtra.