



MAJOR CONTRIBUTIONS TOWARDS MARINE FISHERIES DEVELOPMENT

- Surveyed and assessed the marine fishery potential of the Indian EEZ in space and time.
- Identified potential fishing grounds for finfish, crustacean and cephalopod resources in different regions of Indian EEZ.
- Popularised demersal trawling technique in Indian Waters.
- Introduced monofilament tuna longlining as an efficient technique for catching tunas .
- Introduced and established feasibility of multifilament and monofilament tuna longline fishing by locating productive tuna grounds in oceanic sector of the Indian EEZ.
- Imparted onboard training to fishing operatives and assisted the fishing industry in the transfer of technology on deep sea fishing.
- Undertook joint programmes in the application of remote sensing in marine fisheries in association with Space Application Centre resulting in Potential Fishing Zones (PFZ) model for the benefit of fishermen.
- Assisted the entrepreneurs by deputing experienced Skippers, Fishing Second hands and Engine Drivers (fishing vessels) and Engineers (fishing vessels) to train them in demersal trawling for deep sea shrimps and lobsters in 200-500m depth.
- Assisted the Government in the formulation of policy decisions in matters related to development of marine fisheries.
- Guided mechanized boat operators in Kerala and Tamilnadu for development of deep-sea shrimp and tuna fisheries along South-west and South-east coasts and in Andaman and Nicobar waters
- Experiments carried out on mid-water trawling, bottom set long lining, vertical long lining, squid jigging and trap fishing as diversified eco-friendly fishing techniques.
- Implemented Centrally Sponsored Schemes of Department of Animal Husbandry, Dairying & Fisheries, on strengthening of data collection and fish taxonomy. Under this scheme FSI has also successfully conducted marine census in Andaman & Nicobar and Lakshadweep groups of Islands during 2005.
- Paved way for oceanic tuna fishing by Indian entrepreneurs by facilitating conversion of shrimp trawlers to monofilament longlining and to export 'Sashimi' grade tuna to foreign market for the first time.
- Through extension activities, propagated and encouraged fishermen to diversify fishing effort to deep sea fishing.
- Promoted adoption of the Code of Conduct for Responsible Fisheries (CCRF).
- Undertook a preliminary survey of the continental slope upto 1000m depth by demersal trawling using the facilities on board FORV Sagar Sampada under a research project sponsored by Ministry of Earth Science during 1997 to 2002 and located several species of deepsea fin-fishes, shrimps and lobsters all along the Indian coast including Andaman and Nicobar waters.