

## *Chapter 09: Recommendations*

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## 9. Recommendations:

From this study it has been observed that, the fish diversity and distribution is uneven in the chosen district Paschim Medinipur as well as their abundance is restricted to the several Community Development Blocks in this district. In order to enhance the availability of fishes of the extant fishes measures like overexploitation, pollution, urbanization, use of chemical fertilizer, modification of land use is to be stopped. For the IUCN threatened species measures like protection of their habitat, avoid harvesting of species during pre-mating, breeding and post breeding season and by marking and protecting the zones of interest by formulating laws and implementing properly. The Community Development Blocks not having the desirable range of aquatic parameter viz, pH, Temperature, TDS, Turbidity, Conductivity, DO needs to be taken care in bringing the permissible range of the various aquatic parameters for better growth and viability of the fish specimens. The outcome of this research study recommends the following aspects:

- The authentic and real time recorded data will help fishermen to develop their fishery.
- It will help the researcher to further study on this aspect.
- It recommend for scientific and judicious exploitation of the fisher resources.
- It point out the detrimental factors damaging the freshwater ecosystems.
- It recommends scientific management of the freshwater bodies and the aquatic inhabitants.
- Harvesting of fish during breeding season (monsoon) is to be stopped.
- It exhibits about the finfish species which are threatened as per IUCN ver. 3.1.
- Monitoring and proper protection should be taken categorically for the threatened fish species.
- Quality of water and feasibility is to be ensured.
- Effluents from household or the industries have to be stopped immediately.
- Mesh size of the fishing nets should be strictly followed to avoid the catching of non targeted fish species.
- Use of mosquito net is to be avoided.
- Practice of monoculture and invasive fish species culture has to be restricted.

- Use of chemical pesticides should be discouraged in order to save the wild finfish species.
- Many public awareness programmes are to be arranged at regular intervals.
- A strict conservation policies need to be taken considering the endangered fish species and their environment.
- Formulating laws and their implementation by the Government has to be taken.
- A guideline has to be publicly available regarding green culture, harvesting period, mesh size, marketable fish size.
- Marking of conservation priority zones for safeguarding the endangered fish species.
- Combine effort from State Fisheries Department, Water Resources Development Department, Pollution Control Board, State Irrigation Department required for sustainable fisheries development in this district.
- Fishermen co-operative societies are to be well equipped or strengthened for betterment of socio-economic status of the fishermen.
- Involvement of local people is very crucial in order to achieve the conservation efforts successful.
- Disbursement of sufficient funds in fisheries sector required from Central as well as State Government. Proper training to the fishermen regarding culture and capture fisheries needed.