

Theme 7: Lakes, rivers, estuaries: water quality, biotic resources, sustainable management

T7_Oral_23

DIVERSITY OF FISH FAUNA OF NAGATHIBELAGULU POND AND JANNAPURA POND, BHADRAVATHI, KARNATAKA

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Fishes are the valuable source of high grade protein and other organic products: they occupy significant position in socioeconomic fabric of South Asian countries by providing the population not only the nutritious food and also an employment opportunity. India is endowed with a vast expanse of open inland water in the form of rivers, canals, estuaries, natural and man- made lakes, ponds, backwater and mangrove wet lands. India has a vast potential for development of inland water fisheries. In the present study, an attempt has been made to highlight the diversity of fresh water fishes in Nagathibelagulu Pond and Jannapura Pond, Bhadravathi taluk, Karnataka. The ichthyo-faunal diversity of Nagathibelagulu Pond and Jannapura Pond confirmed the occurrence of 15 and 25 fish species respectively. The study of an aquatic body is useful for planning of fisheries development. Simultaneously the physico-chemical condition of the water body revealed that water quality is suitable for fish culture.

Key words: Fish biodiversity, physico-chemical, Nagathibelagulu Pond and Jannapura Pond