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Reservoir fisheries of India

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The existing literature on limnology and fisheries of Indian reservoirs has been reviewed by covering more than 100 reservoirs located in various parts of the country. An assessment of environment-mediated production functions of reservoirs has been attempted. Since the ecosystem processes in reservoirs belonging to different geo-climatic regions exhibit wide variations depending on meteorological, morphometric and hydro-edaphic features of the impoundments, an effort has been made to gauge the influence of these abiotic variables on the production dynamics. Authentic information on water areas under different categories of reservoirs has been collected and interpreted in respect of all the Indian States. An attempt has also been made to resolve the anomalies pertaining to classification and nomenclature to the extent possible. Various fisheries management norms followed in the reservoirs of the country including the selection of species for stocking, stocking rate and introduction of exotic species have been reviewed. Indian reservoirs have been stocked with the Indo-Gangetic carps for many decades and the impact of this stocking has been assessed in terms of fish production and the indigenous faunistic diversity. Different modes of exploitation and the types of craft and gear employed in different reservoirs of the country are discussed. The reservoir fisheries resources and their utilization are dealt with separately in respect of each State along with a few case studies describing the water quality, biotic communities, craft and gear, and fisheries management practices followed. The status of reservoir fisheries in the States has been reviewed and the factors responsible for the slow rate of development identified.

Biography:

Dr. Vishwas Balasaheb Sakhare is Professor, Post Graduate Department of Zoology, Yogeshwari College, Ambajogai (India). He has 23 years' experience as an outstanding teacher and researcher. He has done pioneering work in the field of Reservoir Fisheries, Limnology and Fish biology. Dr. Sakhare has successfully organized National Virtual Conference on Fish and Fisheries of India (CFFI-2020), National Seminar on Changing Perspectives in Inland Fisheries (CPIF-2018), Workshop on Culture and Breeding of Ornamental fishes (CBOF-2017), National Workshop on Techniques of Scientific Writing (TSW-2014), National Conference on Emerging Trends in Fisheries and Aquaculture (ETFA-2012), National Conference on Current Perspectives in Limnology (NCCPL-2009) and Regional Workshop on Water Quality Assessment (Implications in Potability, Productivity and Pollution control). Professor Sakhare has authored/edited more than 33 books. He is a recognized research guide of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and Solapur University, Solapur. Under his guidance four students have completed Ph.D. He has published more than 65 research articles and reviews in peer reviewed journals.