



Textbook of Hydrobiology

By Rajiv Tyagi

Discovery Publishing House Pvt. Ltd., 2010. Hardcover. Book Condition: New. Hydrobiology is the Science of life and life processes in water. Much of modern hydrobiology can be viewed as a sub-discipline of Ecology but the sphere of hydrobiology includes taxonomy, economic biology, Industrial biology, morphology, Physiology etc. The one distinguishing aspect is that all relate to aquatic organisms. Much work is closely related to Limnology and can be divided into Lotic System Ecology (Flowing waters) and Lentic System Ecology (Still Waters). One of the significant areas of current Research is Eutrophication. Special attention is paid to biotic interactions in Plankton assemblage including the microbial loop, the mechanism of influencing Water blooms, Phosphorus load and lake turnover. Another subject of research is the acidification of Mountain lakes. Long-term studies are carried out on changes in the ionic composition of the waters of rivers, Lakes and reservoirs in connection with acid rain and fertilization. One goal of current research is elucidation of the basic Environmental functions of the ecosystem in reservoirs, which are important for water quality management and water supply. Contents, Preface 1. Introduction 2. Freshwater 3. Life in Water 4. Lakes: Biological Processes 5. Plankton 6. Ocean Biogeochemistry 7. Life...



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