



The Structuring Role of Submerged Macrophytes in Lakes

By Jeppesen, Erik / Søndergaard, Martin

Book Condition: New. Publisher/Verlag: Springer, Berlin | The rapid growth of the discipline of aquatic ecology has been driven both by scientific interest in the complexities of aquatic ecosystems and by their enormous environmental importance and sensitivity. This book focuses on the remarkably diverse roles played by underwater plants, and is divided into three parts: 10 thematic chapters, followed by 18 case studies, and rounded off by three integrative chapters. The topics range from macrophytes as fish food to macrophytes as mollusc and microbe habitat, making this of interest to aquatic ecologists as well as limnologists, ecosystem ecologists, microbial ecologists, fish biologists, and environmental managers. | Section 1. General Themes.- 1. Fish-Habitat Interactions Mediated via Ontogenetic Niche Shifts.- 2. Influence of Submerged Macrophytes on Trophic Interactions Among Fish and Macroinvertebrates.- 3. Complex Fish-Snail-Epiphyton Interactions and Their Effects on Submerged Freshwater Macrophytes.- 4. Interactions Between Periphyton, Nonmolluscan Invertebrates, and Fish in Standing Freshwaters.- 5. Impact of Submerged Macrophytes on Fish-Zooplankton Interactions in Lakes.- 6. Impact of Submerged Macrophytes on Phytoplankton in Shallow Freshwater Lakes.- 7. Role of Submerged Macrophytes for the Microbial Community and Dynamics of Dissolved Organic Carbon in Aquatic Ecosystems.- 8. Impact of Herbivory on Plant Standing Crop:...



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