Special Issue

Trends in the Trophic State of Freshwater Ecosystems

Message from the Guest Editor

Climatic changes associated with the increase in the level of pollution over the last decades have led to important changes in terms of the structure and functionality of freshwater aquatic ecosystems. The structure of communities of aquatic organisms and their dynamics are useful tools for evaluating trends in the trophic state of integrative ecosystems. Trophic state itself is an indicator that integrates and reflects the long-term effect of environmental pressure; hence, these factors are important in integrated monitoring systems. Aspects related to the long-term dynamics of these communities and their dominant populations according to the evolution of the trophic state of the integrative systems, as well as those related to their involvement in biogeochemical circuits at the local level, still require elucidation.

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