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Freshwater and/or Brackish Diatoms: Ecology and Bioindication

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Message from the Guest Editors

Dear Colleagues,

Human activities have important effects on the hydrosphere. Microscopic algae have been widely used in environmental studies throughout the planet to evaluate impacts in aquatic ecosystems. Therefore, it is important to deepen our knowledge of the ecology and taxonomy of these eukaryotic algae in these sensitive aquatic ecosystems. The scope of this Special Issue is to delve into ecological aspects of diatoms and their use as bioindicators in freshwater and brackish aquatic environments. In this issue, we would like to invite authors to discuss the next points:

- Ecology of freshwater and/or brackish diatoms in natural aquatic ecosystems or in experimental studies;
- Studies on the use of diatoms for bioindication in rivers, lakes, estuarine environments, coastal or inland lagoons with freshwater or brackish diatom species;
- Taxonomy of freshwater and/or brackish diatoms;
- Application of legal directives on the use of diatoms for bioindication purposes;
- Development of diatom-based metrics to evaluate the ecological status of aquatic ecosystems.

For more details, please follow the link:

https://www.mdpi.com/journal/water/special_issues/diatoms_ecology



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Special Issue



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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