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Water Quality Assessment and Ecological Monitoring in Aquatic System

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Message from the Guest Editors

One of the greatest environmental challenges of the 21st century is maintaining the natural biological, structural, and functional attributes of both freshwater and marine aquatic ecosystems. Water quality assessment and classification using multi-indicator methods can help protect and manage aquatic ecosystems. Moreover, this type of assessment allows for a change from the mechanistic paradigm to the evolutionary–ecosystem paradigm, which reflects the regularities of changes in aquatic ecosystems in the Anthropocene era.

The aim of this Special Issue is to present reviews, notes, and original research that concern the following issues: assessment of the quality of the aquatic environment, habitat heterogeneity, quantification of the importance of individual stressors in aquatic ecosystems, monitoring and ecohealth, complementary monitoring methods, and assessment of habitat quality with the use of indicator species. Research that improves our understanding of anthropogenic influences and changes in aquatic ecosystems at different levels of the organization is also appropriate.



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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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