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Biodiversity and Functionality in Freshwater and Transitional Ecosystems

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Deadline for manuscript submissions:
closed (31 December 2020)

Message from the Guest Editors

Dear Colleagues,

Aquatic ecosystems host high levels of biological diversity, which significantly support human life. When effectively conserved, aquatic living communities guarantee ecosystem resilience and the maintenance of relevant ecological processes and functions, such as nutrient and carbon cycling, water quality regulation, trophic resources, etc.

However, the role of biological communities in the regulation of aquatic ecosystem functioning is poorly studied. The understanding of the complex relations between aquatic biota and ecosystem functioning and how aquatic systems respond to environmental changes is of paramount importance to strengthen biological conservation and support human wellbeing.

This Special Issue calls for new insights into the consequences of environmental variations on aquatic biodiversity and ecological functioning, including spatial and temporal dimensions. Contributions may include investigations of freshwater and transitional ecosystems, ranging from headwaters to coastal areas at different scales.

For further reading, please visit the **Special Issue website**

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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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