Special Issue

Biogeochemistry of Aquatic Systems Facing Climate and Anthropogenic Stressors

Message from the Guest Editors

The biogeochemistry of aquatic systems is a complex interplay of chemical, biological, and geological processes. Nowadays, it is increasingly challenged by the impacts of climate change and human activities that force it to undergo complex transformations. The resilience of aquatic ecosystems to various stress factors depends on their ability to adapt to and/or recover from new conditions. Current approaches to assessing the risk of anthropogenic stressors to aquatic ecosystems have mostly been developed for single stressors, whereas the cumulative effects of multiple stressors can lead to nonlinear effects and ecological surprises. We invite high-quality contributions that broaden our perspective and provide insights into the complex biochemical dynamics of aquatic systems under various environmental stressors to ultimately support the conservation and management of vital aquatic resources. This Special Issue aims to gather studies that cover all aspects of this topic, and we encourage scientists around the world to contribute their original research papers and reviews.

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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.

Editor-in-Chief

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