

Special Issue

Biodiversity of Freshwater Ecosystems: Monitoring and Conservation, 2nd Edition

Message from the Guest Editors

Aquatic ecosystems are some of the fastest disappearing habitats on Earth. However, conserving freshwater ecosystems and their biodiversity is not only our obligation to future generations but also a strategic issue that can influence our quality of life. With reduced biodiversity in freshwater ecosystems, their resilience decreases and vulnerability to various pressures increases. Their self-purifying capacity and ability to mitigate extreme events, such as floods, are also reduced. The consequences of climate changes also include altered hydrological regimes of superficial and underground freshwaters, which can fatally influence the citizens living in their catchment areas. The conservation of biodiversity in freshwater ecosystems depends on their suitable management, which could also solve several issues related to flood risk mitigation and drinking water supply. We will gather contributions on different aspects of the biodiversity of freshwaters and include suggestions for their proper management to simultaneously reach conservation goals and enhance human well-being.

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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

Dr. Jean-Luc PROBST

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