

Special Issue

Biodiversity and Conservation of Freshwater Ecosystems

Message from the Guest Editor

Fresh waters are among the most diverse and dynamic ecosystems on the Earth, supporting a considerably higher proportion (almost 6%) of global biodiversity than its area (< 1%) might suggest. However, due to increasing amounts of human-mediated disturbances, freshwater ecosystems have been and are experiencing more serious degradation than terrestrial and marine ecosystems. This underscores the importance of maintaining and conserving freshwater biodiversity, which must be based on comprehensive understanding (e.g., from the perspectives of multifaceted biodiversity) of the root causes of biodiversity loss and underlying ecological dynamics. Simultaneously examining the effects of anthropogenic disturbances on taxonomic, functional, and phylogenetic diversity can significantly enhance the understanding of causes of ecosystem degradation and provide useful implications for biodiversity conservation and management.

Guest Editor

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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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