

Special Issue

Freshwater Biophysical Ecosystem Health

Message from the Guest Editors

A healthy freshwater ecosystem has ecological integrity when it can maintain its structural and functional evolution over time while facing external stress. An ecosystem's health refers to the health of all its living and non-living physical components. A consistent assessment of ecological integrity requires evaluation of the biological status and the causes of impairment. Over the last decades, efforts have been made in developing and refining indicators to assess the biological status of aquatic ecosystems. A range of freshwater variables can be used to measure ecosystem health, such as biochemical and microbiological water quality as well as physicochemical and ecological aspects such as habitat quality, biological diversity, and ecosystem functionality. On the other hand, the integration of biological endpoints or biomarkers (molecular, biochemical, and physiological markers) can clarify issues of contaminant bioavailability, bioaccumulation, and e

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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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