

Special Issue

Freshwater Resources and Ecology: Distribution of Hydrobiology and Invasive Species

Message from the Guest Editors

As a vital resource for human existence and ecological systems, fresh water is of fundamental importance to every form of life. Several disciplinary areas, including zoology, behavioral science, botany, resources, and other biological sciences such as physiology, genetics, and molecular biology, share an interest in freshwater ecology. This topic is also closely related to environmental sciences including biogeography, geomorphology, limnology. Freshwater resource availability has been under threat from climate change and other human pressures such as hydropower use, emerging contaminants and species invasion in recent decades. Biological invasions pose a threat to biodiversity, ecological services, conservation and resource management. Invasive species show devastating impacts on the native community and ecosystem processes. Many characteristics that may contribute to the establishment of non-native species can enhance our understanding of the ecology of species invasions.

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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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