

Special Issue

The Role of Vegetation in Freshwater Ecology

Message from the Guest Editors

Both terrestrial and aquatic vegetation play important roles in the ecology of surface waters. However, incorrect land use and the related deterioration of freshwater systems has led to a wide range of recent ecological and human crises. This Special Issue puts forward a multidisciplinary approach to address the relationships between changes in the soil–vegetation complex and water phenomena at the catchment scale, in catchments and lakes, and in environmental services. Research and review papers dealing with these problems, especially those related to ecology, hydrology, and biogeochemistry, are of interest. In particular, the results of long-term catchment field studies, the assessment of the ecological status of stream and lake water bodies, and examples of effective environmental services in catchments, with special concern paid to downstream impacts, are welcome. This Special Issue will serve also to promote innovative observation techniques (automatic systems, remote sensing, etc.) and methodologies (environmental indicators, climate change mitigation, etc.), and their applications in stakeholder conversations, the decision making process, and catchment planning.

Guest Editors

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Message from the Editor-in-Chief

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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