

Special Issue

Endangered Freshwater Ecosystems: Threats and Conservation Needs

Message from the Guest Editors

Freshwater ecosystems represented by river, lake, and wetland provide a variety of habitats for freshwater organisms and a diverse array of ecosystem services, such as flood control, water purification, and recreation. However, freshwater ecosystems are threatened and endangered by human activities, such as dam construction, channelization, pollution, habitat fragmentation, and climate change. Freshwater species numbers have also declined dramatically, with the Living Planet Index of freshwater ecosystems showing an 83% decline since 1970, the worst among terrestrial and marine ecosystems. The aim of the Special Issue is to 1) understand current situations of freshwater ecosystems with reference to natural (e.g., hydrology, geology, and geomorphology) and anthropogenic factors (e.g., land use in a catchment, human modification, and climate change), 2) to present future perspectives to mitigate current decline of species diversity of freshwater organisms, [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/en_dangered_ecosystems

Guest Editors

Dr. Futoshi Nakamura

Laboratory of Ecosystem Management, Graduate School of Agriculture, Hokkaido University, Sapporo, Japan

Dr. Junjiro Negishi

Graduate School of Environmental Science, Hokkaido University, Japan

Dr. Nobuo Ishiyama

Hokkaido research organization

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Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

water@mdpi.com

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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

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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