

Special Issue

Hydrology and Hydrochemistry in Cold and Arid Regions

Message from the Guest Editors

This Special Issue, titled “Hydrology and Hydrochemistry in Cold and Arid Regions”, will present recent advances that improve our understanding of water cycle processes and hydrochemical evolution in environments characterized by cold and arid regions. Original research is sought on topics including lake evolution, groundwater–surface water interactions, lake and river water balance, hydrogeochemical processes, hydrothermal systems, cryospheric hydrology, and the impacts of permafrost degradation, glacier retreat, and climate change on regional water resources. Submissions that integrate hydrochemical and hydrological data with modeling approaches, or that provide new insights into lake–groundwater exchange, are particularly welcome. Case studies addressing endorheic basins, water quality evolution, and hydrochemical responses to environmental change are also encouraged. Conceptual and numerical models that enhance prediction and management of water resources in cold and arid regions are of great interest. Researchers are invited to contribute manuscripts that expand knowledge in this interdisciplinary field.

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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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