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Hydrology of Rivers and Lakes under Climate Change

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Message from the Guest Editors

A changing climate will have considerable impacts on the hydrology of lakes and rivers, affecting the timing and magnitude of the hydrological regime, changing the extreme droughts and floods and alter the availabilty of water for human use and consumption. This will have an impact on the environment of lakes and rivers and how lakes and rivers are used in the future. This Special Issue will address the changed hydrological regime of lakes and rivers in a future climate, and its implications for the physical processes that depend on the hydrological regime. The latter include water temperature, ice and snow, erosion and sediment transport and river morphology, and the interaction between these processes. For this Special Issue, we invite papers that cover the hydrology of lakes and rivers, particularly focusing on the alteration of flow regimes and processes related to changed hydrology and their implication for the lake and river environment. We would also like to invite authors that address how climate-driven changes in lake and river hydrology will impact the future human use of these resources.

Deadline for manuscript submissions:
closed (22 November 2021)

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Special Issue

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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.

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