

Special Issue

Impacts of Hydrological Processes on Nutrient and Contaminant Transport

Message from the Guest Editor

Both climate change and the human exploitation of rivers will impact hydrological processes. The exploitation of rivers is the main reason for the changes in natural hydrological processes. The changes in hydrological processes significantly impact basin environment ecology. During the process of river exploitation, reservoirs alter the natural hydrological processes. The changes in hydrological processes also directly affect the material transport in rivers and between rivers and land. Sedimentation in the reservoir further exacerbates the impact on the transport process of nutrients in the river, leading to changes in the nutrient state and rhythm of the river. The research in this Special Issue aims to study the impact of hydrological processes on nutrient transport and contaminant transport, providing support for the study of the impact of hydrological process changes on the flow state environmental system of rivers, and has significant implications for determining and improving the impact of river development on the ecological environment of rivers.

Guest Editor

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Deadline for manuscript submissions

closed (20 December 2023)



Water

an Open Access Journal
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Impact Factor 3.0
CiteScore 6.0



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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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