

Special Issue

The Role of Dam Reservoirs in Shaping the River Environment in the Era of Climate Change

Message from the Guest Editors

The natural river environment is a complex system comprising many co-existing and co-dependent abiotic and biotic elements. The progressive construction of dams and reservoirs is a serious human intervention in river systems, in turn disrupting their natural processes and ecosystems. In addition, the climatic changes observed in recent decades affect the transformation of the river environment. These two factors overlap in many river systems and are difficult to separate. Therefore, it is necessary to constantly monitor and predict the directions of changes caused by these factors (natural and anthropogenic) in the river environment in order to prevent the negative effects of climate change and the construction of hydrotechnical facilities. The scientific literature has dealt with this problem numerous times, but there are still many gaps and unexplained questions in this topic. [The proposed Special Issue](#) will provide a collection of articles presenting high-quality research results on the proposed subject, thus representing an important step towards further diagnosing and reducing the risk of adverse changes in the river environment in the future.

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Deadline for manuscript submissions

closed (20 November 2023)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/167516

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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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