Special Issue

River Sedimentary Processes and Modelling

Message from the Guest Editors

River sedimentary processes have been studied widely due to their effect on flooding control, navigation, bed evolution, and ecological processes in fluvial systems.

The aim of this Special Issue of Water seeks to understand the latest advances in river sedimentary processes, including: (1) the impacts of climate change and human activities on river sedimentary processes, (2) numerical methods for modeling river sedimentary processes, and (3) measures to improve river delivery capacity and restore effective storage capacity of reservoirs. We welcome original papers addressing research themes including, but not limited to, flow and sediment transport, river bed evolution, sediment flocculation, numerical modeling of sediment transport, reservoir sedimentation and regulation, and sediment management measures. Relevant research outcomes are expected to support the sediment management and practices related to rivers and reservoirs.

Guest Editors

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Deadline for manuscript submissions

closed (20 November 2023)

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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

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