# Special Issue

# Modelling and Numerical Simulation of Hydraulics and River Dynamics

## Message from the Guest Editors

River engineering is an important subject in hydraulic engineering, and hydrology, hydraulics, and geomorphology are the main scientific disciplines required to understand its basic principles. Precise streamflow prediction using hydrological and numerical models can benefit hydrological operations such as water resource project operation, effective programming for flood monitoring, and reservoir operation schedules. Sediment dynamics presents one of the most challenging issues in the study and interpretation of soil erosion, streambed deposition, and streambed erosion. A reduction in flow area caused by suspended sediments affects the movement of aquatic life, ultimately changing the course of rivers. It is therefore crucial for various authorities to have data on suspended sediments and their variation. Furthermore, sediment transport strongly affects the geomorphology of riverbeds. [...]

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/9Q3EWD11X3

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## Deadline for manuscript submissions

closed (20 December 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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