



water



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Modelling and Numerical Simulation of Hydraulics and River Dynamics

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Message from the Guest Editors

Dear Colleagues,

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.

[...]

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Special Issue



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Message from the Editor-in-Chief

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