Special Issue

Flow Dynamics and Sediment Transport in Rivers and Coasts

Message from the Guest Editors

To date, scientists have conducted a large amount of cutting-edge research on all aspects of sediment transport and fluvial hydraulics in rivers and coasts. Many research papers have been published to help researchers continue to explore this subject in the right direction. The aim of this Special Issue is to showcase renewed contributions that improve the knowledge of this theme, including, but not limited to, channel bed deformation, local scour around infrastructures, fluvial processes in the presence of vegetation, river ice hydraulics, the environmental and ecological impacts of sedimentation, the effect of reservoir sedimentation, coastal erosion, and wave dynamics. Research works regarding tidal power generation, the impact of river ice on the operation of hydropower plants and other water infrastructure, and hydrodynamic and hydrological modeling, are also welcome.

Guest Editors

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Dr. Wenxin Huai

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Deadline for manuscript submissions

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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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