Special Issue

Coastal Sediment Dynamics: Historical Development, Current Situation and Perspectives, 2nd Edition

Message from the Guest Editor

Under the effects of global climate change and human activities, the process and development trends of material transport from river basins to the ocean have been significantly changed. In order to cope with the new challenges brought by the changes in coastal environments, it is necessary to fully understand the source, transport, deposition process, and development dynamics of coastal sediments. This Special Issue invites submissions pertaining to these challenges, and encourages the use of multi-disciplinary research methods—such as remote sensing surveys, measured big data, physical models, and mathematical models—that focus on new progress and development trends in the study of sediment transport from basin to ocean, estuarine sediment movement mechanics, coastal sediment movement mechanics, coastal geology, estuarine geomorphic evolution, coastal geomorphic evolution, and coastal ecology. We welcome contributions from scholars and engineers in the fields of river and estuarine dynamics, environmental science, coastal science, port navigation, and offshore engineering.

Guest Editor

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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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