Special Issue

Coast Sediment Dynamics: Historical Development, Current Situation and Perspectives

Message from the Guest Editors

Under the effects of global climate change and human activities, the process and development trends of material transport from river basin to 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 sediment. 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, focusing on the 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 are particularly interested in the application of new technologies and methods in coast sediment dynamics and coastal ecological environments.

Guest Editors

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Deadline for manuscript submissions

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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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