Special Issue

Evaluation of Coastal Sediment Transport Processes

Message from the Guest Editor

The sediment distribution in transitional land–ocean zones, and the subsequent impact it has on many biogeochemical processes, is determined by its erosion and transport in coastal areas. Sediment transport is expected to vary as a result of the physical forcing associated with waves, currents, wind, gravity currents, the strength of the stratification of the water column, or turbulence. Deltas, breakwaters, and harbors, as well as seagrasses, etc., modify the fate of the sediment being transported. Anthropogenic activities threaten ecosystems by producing gaps interspersed within the vegetation, resulting in a fragmented meadow. The capture of sediment by a fragmented meadow is expected to be reduced compared with that by a continuous meadow. In this Special Issue, we invite scientists working on the different aspects of sediment transport in coastal or watershed areas to share their most recent results. Papers submitted could deal with sediment transport, modeling, gravity current dynamics, the interaction between aquatic vegetation and sediment, sediment dynamics in fragmented meadows, or sediment resuspension.

Guest Editor

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Deadline for manuscript submissions

closed (25 January 2022)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/49448

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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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