

Special Issue

Sediment Deposition (Natural and Artificial Nourishment) in Coastal and Riverine Environments

Message from the Guest Editors

Worldwide, coastal and riverine environments are very dynamic areas, with high biodiversity and rapid morphological changes, but also under high anthropogenic pressure. Sediment dynamics, sediment planning and management, the study of sediment dynamics and new solutions considering the circular economy, and nature-based infrastructures, are essential to prevent their degradation and increase their resilience to anthropogenic pressure and climate change. It is important to disseminate the most up-to-date scientific knowledge on sediment planning, management, and dynamics in coastal and riverine environments. This Special Issue invites significant research on in situ and remote sensing sediment monitoring (natural and/or artificial), coastal and riverine natural deposition and artificial nourishment, coastal and riverine erosion and morphodynamics, coastal and riverine dredging, climate change effects, novel solutions considering the circular economy, nature-based infrastructures, and decision support systems. Case studies addressing a specific challenge are particularly welcome, but analytical, physical, and numerical modelling contributions will also be considered.

Guest Editors

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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

Dr. Jean-Luc PROBST

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