Special Issue

Observation and Modeling of Coastal Morphodynamics

Message from the Guest Editor

Coastal Morphodynamics aims to understand the bi-directional interplay between seabed morphology and hydrodynamic flow. Robotic autonomous systems (in the air, on the surface, and underwater) for remote sensing, machine learning, and numerical modeling have sparked profound advances in our ability to capture and quantify sediment transport and morphologic patterns. This Special Issue seeks to highlight innovative studies that incorporate new approaches to coastal monitoring, modeling, or analytical techniques to explore and understand these interactions with implications for beach erosion response, coastal resilience, storm recovery, impacts to human-built infrastructure, or coastal management, policy, and restoration. Contributions are particularly sought that integrate multiple techniques and that illustrate innovations with applicability beyond the specific case study.

Guest Editor

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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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