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Observation and Modeling of Coastal Morphodynamics

Guest Editor:

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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.



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Special Issue



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Message from the Editor-in-Chief

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