



Advances in Coastal Hydrodynamics and Wetland Modeling

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Message from the Guest Editors

Wetlands along coastal margins provide numerous ecosystem services, from supporting fisheries and transforming nutrients to sequestering carbon and attenuating wave action. These ecosystems are also impacted by climate change, accelerating rates of sea level rise, and human activity. As communities implement or currently rely on nature and nature-based coastal defences, tools are needed for predicting how wetlands change in response to these drivers. This special issue will focus on predictive modeling of wetland change and the data that informs these models.

We invite submissions on coastal modeling from a range of disciplines (e.g., hydrodynamics, ecology, and/or geomorphology) and techniques, as well as fieldwork and observational research that supports modeling efforts. These include research using numerical and computer-based models, experimental modeling, remote sensing, or other types of assessments in the coastal regions.





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