Special Issue

Large-scale Coastal Behavior

Message from the Guest Editor

The evolution of coastal landforms on long time and length scales has come to be known as Large Scale Coastal Behavior (LSCB). The consequences of LSCB are important to the resiliency of coastal communities and ecosystems, particularly in light of predicted changes to sea level and storm intensity and frequency forecasted for the next century. The focus of this Special Issue is on improved understanding of LSCB, with an emphasis on implications for coastal vulnerability and adaptation. Topics of interest include, but are not limited to:

Large scale nearshore sand bar and shoal evolution
Shoreline change and hot-spots
Coastal landform response to extreme storms
Impacts from sea level rise and climatic influences
Nonlinear sediment transport dynamics manifesting at large time and length scales
Connections between small and large-scale processes
Partitioning aeolian and oceanic processes
Influences of continental shelf processes on LSCB
Influences of LSCB on coastal vulnerability, resiliency, and adaptation
Influences of sediment supply on LSCB
Anthropogenic influences and engineering concepts for mitigating negative LSCB changes

Guest Editor

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Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (*JMSE*; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

Editor-in-Chief

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