

# 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

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### Guest Editor

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### Deadline for manuscript submissions

closed (30 June 2019)



# Journal of Marine Science and Engineering

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## About the Journal

### Message from the Editor-in-Chief

*Journal of Marine Science and Engineering (JMSE*, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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