Special Issue

Advances in Coastal Dune and Aeolian Processes Research

Message from the Guest Editors

Coastal dune systems are dynamic landforms shaped by complex interactions between wind, waves, vegetation, and human activity. Growing concern over their resilience to environmental change, given their increasing use as a form of natural infrastructure along coastlines around the world. This Special Issue aims to highlight contemporary research on coastal dune and aeolian processes across diverse climatic and geographic contexts. This Special Issue encompasses a wide range of topics, including beach–dune evolution, wind-driven sediment transport, biotic–abiotic interactions, and vegetation's role in dune morphology. Multi-scale approaches and emerging tools such as remote sensing, UAVs, LiDAR, and machine learning are of particular interest. Submissions of fieldwork, lab experiments, remote sensing analyses, and numerical or conceptual models will be considered. We are also seeking review papers and case studies that explore the feedback between geomorphic and ecological dynamics or assess the impacts of climate change and human activities on coastal dune systems.

Guest Editors

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Dr. Nicholas Cohn

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Deadline for manuscript submissions

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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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