Special Issue

Beach-Dune System Morphodynamics

Message from the Guest Editors

The sustainable and resilient conservation of beach–dune (eco)systems under a changing climate requires the insights of a number of multidisciplinary studies and approaches. Towards this vision, this Special Issue is devoted to collecting original scientific contributions based on field observations, including novel remote sensing techniques, laboratory experiments, and/or numerical modelling. Papers focusing on the following topics are encouraged:

- Wave–dune interaction processes and beach–dune vulnerability and resilience;
- Innovative dune restoration methods and projects/pilot studies;
- Aeolian process dynamics;
- Novel remote sensing techniques to observe beach–dune evolution;
- Wind/wave–vegetation–sand interaction;
- Beach–dune biodiversity and ecological management;
- Numerical modelling of beach–dune cross and longitudinal evolution;
- Influence of soil properties on the mechanical strength related to hydrodynamic loadings;
- Assessing beach–dune erosion and vulnerability under sea level rise;
- Salt water intrusion in coastal aquifers.

Guest Editors

Prof. Dr. Felice D'Alessandro

Prof. Dr. Giuseppe Roberto Tomasicchio

Dr. Ferdinando Frega

Deadline for manuscript submissions

closed (30 November 2021)

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Journal of Marine Science and Engineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

mdpi.com/journal/jmse

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About the Journal

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

Prof. Dr. Charitha Pattiaratchi
School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

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