Journal of
Marine Science and Engineering

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Advances in Coastal Hydrodynamic and Morphodynamic Processes under a Changing Climate

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Deadline for manuscript submissions:
closed (5 February 2026)

Message from the Guest Editors

Dear Colleagues,

Beaches are one of the most dynamic environments on earth. Changes in beach morphology (morphodynamics) are based on complex process–response mechanisms operating at various spatio-temporal scales, which are not yet comprehensively understood. Simultaneously, beaches form the first line of defense against marine inundation and flooding, providing effective protection to the coastal populations, infrastructure assets, and the other coastal environments they front. This is a phenomenon that is expected to proliferate in the future under the anticipated changes in hydrodynamic forcing (mean and extreme sea levels). Thus, understanding beach morphodynamics and providing effective solutions for appropriate coastal protection schemes has now become an urgent issue.

This Special Issue aims to compile the latest, most fascinating research and innovative approaches in the field of beach morphodynamics, focusing on coastal resilience and sustainability. The submission of high-quality papers for publication is encouraged in order to disseminate the articles freely for research, teaching, and reference purposes.

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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.

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