Special Issue

Advances in Coastal Hydrodynamic and Morphodynamic Processes under a Changing Climate

Message from the Guest Editors

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.

Guest Editors

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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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