

Special Issue

Innovative Multi-Functional and Integrated Solutions for Coastal Adaptation

Message from the Guest Editors

This Special Issue invites authors to submit original articles dedicated to innovative solutions for a multifunctional, integrated approach to the management and protection of coastal areas. The innovative technologies include: (i) multifunctional breakwaters to combine the coastal protection with the production of marine renewable energy or with leisure activities (e.g., artificial reefs, promenades); (ii) ecocompatible sediment management for beach maintenance (e.g.m “Sand Engine”, “Mud Motor”, beach drainage); (iii) ecosystem enhancement through the restoration and/or creation of habitats such as sand dunes or biogenic reefs or buffer areas; (iv) actions to reduce the impact on society and economy including insurance frameworks, risk communication and landscape planning; (v) quasi-real-time monitoring and surveillance systems through autonomous vehicles, drones, satellite imaging; and (vi) interdisciplinary modelling frameworks to support defense planning.

Keywords

- Adaptation
- Climate change
- Coastal flood
- Innovative management
- Multifunctional structures
- Risk assessment
- Ecosystems
- Social awareness
- Sea level rise
- Storm surge

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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

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