

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

Guest Editors

Dr. Barbara Zanuttigh

Department of Civil, Chemical, Environmental, and Materials Engineering, Alma Mater Studiorum Università di Bologna, Bologna, Italy

Prof. Dr. Alice Newton

Department of Marine and Environmental Sciences, Faculty of Science and Development, Gambelas Campus, University of Algarve, 8005-139 Faro, Portugal



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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

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About the Journal

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.

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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