Special Issue

Climate Change Adaptation Strategies in Coastal and Ocean Engineering

Message from the Guest Editors

Climate change represents one of the greatest global challenges to achieving the sustainability of coastal and ocean systems. This Special Issue will cover, among others, the following areas:
Design and operation of resilient infrastructure: Methods to reinforce and redesign ports, breakwaters, and other critical infrastructures.
Nature-based solutions: Strategies such as the restoration of mangroves, dunes, and coral reefs.
Modeling and simulation: Predictive tools to assess future impacts of climate change.
Risk management and adaptive planning: Methods to mitigate risks associated with climate change in coastal environments.
Technological innovation in marine renewable energy: Its role in reducing emissions and protecting coastal areas.
Carbon footprint assessment and reduction strategies: Evaluating and minimizing the environmental impact of coastal and ocean engineering projects.
Life cycle analysis in maritime infrastructure: Integrating sustainability metrics into design, construction, and operation phases.
Decarbonization pathways for maritime transport and operations: Exploring strategies to reduce greenhouse gas emissions in marine industries.

Guest Editors

Dr. M. Dolores Esteban

Dr. José-Santos López-Gutiérrez

Dr. Vicente Negro

Dr. Maria Graça Neves

Deadline for manuscript submissions

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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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