

## Special Issue

# Changes of the Coastal Zones Due to Climate Change

### Message from the Guest Editors

Many coastal cities have faced significant destruction of vital infrastructure from extreme-weather events due to climate change. Additionally, the urban population is expected to grow over the next few decades, and the impact of climate change may significantly alter the socio-economic and environmental aspects of such cities. To avoid these drastic effects of climate change, the development of innovative Nature-Based Solutions (NBS) and Ecosystem-Based Approaches (EBA) is urgently needed. These solutions could enhance coastal cities' climate resilience and address societal challenges in the mid- to long-term period. To adapt to and mitigate the potential impacts and risk of coastal hazards, high-resolution and local-scale data and models are needed to support new smart technologies for real-scenario interventions.

This Special Issue will present the current state of the art in this field, including reviews and research articles considering climate-change-related hazards in coastal cities and potential tools and approaches to cope with such events.

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### Guest Editors

Dr. Iulia Anton

Dr. Dorothy M. Peteet

Dr. Salem Gharbia

Dr. Roberta Paranzio

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### Deadline for manuscript submissions

closed (5 June 2023)



## Journal of Marine Science and Engineering

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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.

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### Editor-in-Chief

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