Special Issue

Sea Level Rise and Related Hazards Assessment

Message from the Guest Editors

Maritime cities, coastal infrastructures, heritage sites and natural areas are at risk of inundation in the next decades under the effects of the global warming. In addition, natural or human-induced land subsidence can locally accelerate the effects of sea level rise along specific continental and insular coasts, thus exacerbating land flooding. This Special Issue of *The Journal of Marine Science and Engineering* aims to summarize new insights and benefits that derive from the use of multiple data, focusing on global and relative sea level rise and its impacts along the coasts. Advancements in the methodologies, techniques and data processing are primarily expected in the following areas:

- Land uplift and subsidence detected from geodetic networks and InSAR data, to identify coastal zones more prone to accelerated sea level rise;
- Impact of extreme marine events (storm surges and tsunamis) and flooding extents in coastal areas in sea level rise conditions;
- Natural based and conventional coastal protection solutions to mitigate sea level rise in specific zones;
- Any other application to sea surface dynamics and coastal studies.

Guest Editors

Dr. Marco Anzidei
Istituto Nazionale di Vulcanologia, Via di Vigna Murata 605, 00143 Rome, Italy

Dr. Tommaso Alberti
Istituto Nazionale di Geofisica e Vulcanologia, Via di Vigna Murata 605, Rome, Italy

Deadline for manuscript submissions

closed (1 June 2025)

Journal of Marine Science and Engineering

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.0

mdpi.com/si/182424

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

Journal of Marine Science and Engineering

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.0

mdpi.com/journal/jmse

MDPI

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

Author Benefits

High Visibility:

indexed with Scopus, SCIE (Web of Science), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).