



Sea Level Rise and Related Hazards Assessment

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)

Message from the Guest Editors

Dear Colleagues,

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
School of Engineering, The UWA
Oceans Institute, The University
of Western Australia, Perth, WA
6009, Australia

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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)

Contact Us

*Journal of Marine Science and
Engineering* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jmse
jmse@mdpi.com
X@JMSE_MDPI