



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:

10 September 2024

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
Oceans Graduate School and The
UWA Oceans Institute, The
University of Western Australia,
Perth, WA 6009, Australia

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.

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), GeoRef, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q1 (Engineering, Marine) / CiteScore - Q2 (*Civil and Structural 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