

Special Issue

Spatially Distributed Sea Wave Measurements

Message from the Guest Editors

Sea surface waves have important spatio-temporal characteristics that, from a historical point-like observational approach, are not complete if the measurement is restricted to the time dimension. In recent years, we assisted a remarkable technological advancement of instruments like radars, stereo-imaging, and others that permit the remote monitoring of oceanic waves (from satellites, platforms, or vessels) in both their spatial and temporal aspects. In some cases, the sea elevation is directly recovered over a surface area, allowing the retrieval of a 3-D image of the wave field. Indeed, new sensors are continuously improving in accuracy and range of use, from coastal areas to off-shore regions, providing unprecedented data in the study of waves and their interactions with the atmosphere and the ocean.

- Wave mechanics and sea surface dynamics;
- Technology and new developments;
- Analysis of the wave climate and its extremes;
- Data fusion and signal processing;
- Statistical and probabilistic methods;
- Assessment of wave models.

Guest Editors

Dr. Alvise Benetazzo

Institute of Marine Sciences, National Research Council, Venice, Italy

Prof. Dr. Filippo Bergamasco

Department of Environmental Sciences, Informatics and Statistics (DAIS), Università Ca' Foscari of Venice, 30172 Venezia Mestre, Italy

Deadline for manuscript submissions

closed (31 December 2020)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/39586

*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](https://mdpi.com/journal/jmse)



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).