

Special Issue

New Advances in Marine Remote Sensing Applications

Message from the Guest Editors

Remote sensing data are widely utilized to assess marine environments. Water pollution caused by rapid urban development, sea level rise caused by the greenhouse effect, the melting of sea ice, storm surge, etc., have exacerbated issues induced by regional and global climate changes in the Earth sphere interactions. Remote sensing, armed with recently emerging cloud computing, machine learning and AI technologies, is expected to play an unprecedented, yet important, role in assessing marine environments. This Special Issue invites original research articles, as well as review articles that focus on ongoing efforts in using satellite or airborne remote sensing to understand the marine environment, land–ocean interactions, their response to global climate change and their interaction with human activities. The suggested topics are relevant, but not limited to, ocean data acquisition and pre-processing, data analysis and modeling, physical ocean parameters, sea level change, ocean–atmosphere interactions, coastal disasters, coastal ecosystem, water pollution, coastal (marine) engineering, coastal urbanization, as well as other coastal resilience themes.

Guest Editors

Prof. Dr. Yuanzhi Zhang

Dr. Po Hu

Prof. Dr. Dongmei Chen

Prof. Dr. Lin Li

Deadline for manuscript submissions

closed (15 May 2025)



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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





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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.

Editor-in-Chief

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

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