

Special Issue

Mangrove Ecosystem Responses to Climate Change and Sea-Level Rise

Message from the Guest Editors

Mangroves are some of the most productive ecosystems in the world and are highly valued for their ecosystem services, which include habitat protection, CO₂ sequestration, and carbon burial. Indeed, preserving and restoring mangrove forests have been suggested to be effective approaches to mitigating anthropogenic climate change. However, ongoing modifications produced by climate change and sea-level rise are putting many of these habitats at risk. For instance, there is growing concern that a lack of space for inland migration brought about through land-use change may prevent mangroves from adapting to fast rates of sea-level rise. Therefore, climate change and sea-level rise should be considered in any management activity that seeks to enhance the resilience of mangrove ecosystems. We invite contributions to this Special Issue that examine any aspect of mangrove habitats. Our goal for this Special Issue is to highlight the most current research on mangrove forest ecosystem structures and biogeochemical cycling, which are directly related to climate change and sea-level rise.

Guest Editors

Dr. Christian J. Sanders

National Marine Science Centre, Southern Cross University, Coffs Harbour, Australia

Prof. Dr. Joseph M. Smoak

School of Geosciences, University of South Florida, St. Petersburg, FL 33701, USA

Deadline for manuscript submissions

closed (31 August 2021)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/53840

*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](https://www.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

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.

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 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).