

Special Issue

Oxygen in Marine and Estuarine Systems

Message from the Guest Editor

Oxygen concentration is one of the key factors that make life in oceans possible. Ocean deoxygenation has been reported in recent decades. Expansion of low-oxygen zones both in the open ocean and coastal areas has been observed. The distribution of oxygen in the ocean is dependent on various physical, biogeochemical, and biological processes.

Anthropogenic activities, such as eutrophication driven by excess nutrients, cause a decrease in the oxygen content of the oceans. The processes and pathways affecting oxygen concentration are not fully understood. This Special Issue is open to submissions related to the topic of oxygen in marine systems. Particularly, manuscripts on the following subjects are encouraged:

- Long-term changes in ocean oxygen concentrations;
- Effects of deoxygenation on marine life;
- Physical, biogeochemical, and/or biological drivers controlling oxygen distribution;
- Effects of climate change on oxygen depletion;
- The role of anthropogenic activities in oxygen depletion;
- Benthic biogeochemical fluxes under variable oxygen conditions;
- Future predictions of oxygen content in the oceans.

Guest Editor

Dr. Taavi Liblik
Tallinn University of Technology, Tallinn, Estonia

Deadline for manuscript submissions

closed (31 December 2021)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/58271

*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).