

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

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Deadline for manuscript submissions

closed (31 December 2021)



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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

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