

Special Issue

Oxygenic Photosynthetic Microorganisms in Oceans and Blue Carbon

Message from the Guest Editors

Marine oxygenic photosynthetic microorganisms have gained much attention since major economies/countries, including the EU and China, signed the Paris Agreement on climate change in 2016 and committed to carbon neutrality by the mid-21st century in 2021. There have been various advances in using marine photosynthetic microorganisms to achieve carbon peaking and carbon neutrality goals. This is essential to achieve sustainability in the emerging marine bioeconomy. The purpose of this Special Issue is to publish the most innovative research with respect to the above subjects and provide a rapid turn-around time regarding reviewing and publishing to disseminate the published articles freely for research, teaching, and reference purposes. High-quality original studies and reviews are encouraged for publication, directly relating to the various aspects outlined below. The inclusion of novel techniques for study is also welcome.

- Oxygenic Photosynthetic Microorganisms
- Phytoplankton and Global Ocean Acidification
- Climate Change and Primary Production
- Marine Carbon Cycles
- Blue Carbon
- Carbon Sequestration in Coastal Environments
- Marine Environmental Monitoring and Biomarkers

Guest Editors

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Deadline for manuscript submissions

closed (25 August 2023)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/162083

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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

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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).