

## 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

Prof. Dr. Weiqi Fu  
Dr. Yiwen Pan  
Dr. Kui Wang

### Deadline for manuscript submissions

closed (25 August 2023)



## Journal of Marine Science and Engineering

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an Open Access Journal  
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Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/162083](https://mdpi.com/si/162083)

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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
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JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean  
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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
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days (median values for papers published in this journal in  
the first half of 2025).