

## Special Issue

# Advances in Ocean Monitoring and Modeling for Marine Biology

### Message from the Guest Editor

We invite you to submit your work to the Special Issue "Advances in Ocean Monitoring and Modeling for Marine Biology". Conventional in situ ocean monitoring for understanding marine biology and ecosystems has been conducted by research vessels with CTD sensors, water sampling bottles, and sampling nets. Advanced technology has also provided new platforms and devices for ocean monitoring. Moreover, the recent rapid progress of computational techniques and resources has allowed us to easily conduct numerical modeling for marine biology, by coupling a realistic ocean circulation model with biological models. These kinds of marine biological works to understand marine ecosystems have become increasingly important in recent decades in terms of sustainable usage, conservation, and management of marine ecosystems in the world. The aim of this Special Issue is to promote the latest works with a special focus on ocean monitoring and modeling for marine biology and ecosystem, using individual or interdisciplinary approach. Ocean monitoring and modeling with innovative methods for conserving and managing marine ecosystems are also welcome in our Special Issue.

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### Guest Editor

Dr. Hiroshi Kuroda  
Japan Fisheries Research and Education Agency, Hokkaido, Japan

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### Deadline for manuscript submissions

closed (15 February 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



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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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Western Australia, Perth, WA 6009, Australia

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