



## Advances in Marine Nitrogen Cycle

Guest Editors:

**Dr. Xianbiao Lin**

Key Laboratory of Marine  
Chemical and Marine Chemical  
Engineering, Ministry of  
Education, Ocean University of  
China, Qingdao 266100, China

**Dr. Jing Wei**

School of Atmospheric Sciences,  
Sun Yat-sen University, Zhuhai  
519082, China

**Dr. Xiyang Dong**

School of Marine Sciences, Sun  
Yat-Sen University, Zhuhai  
519000, China

Deadline for manuscript  
submissions:

**closed (10 May 2022)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on the controlling factors, processes and fluxes of biogeochemical nitrogen cycling in marine environments. Nitrogen cycling in marine ecosystems is complex, dynamic in space and time, and dependent on multiple interrelated ecosystem components. Although an increasing number of studies have been carried out on marine nitrogen cycling, there are fewer than those on terrestrial ecosystems. The workings of the oceanic nitrogen cycle may seem arcane, but understanding them is a necessary component in understanding both global marine productivity and climate change.

We invite researchers to submit articles that advance our understanding of nitrogen pollution, forms, fluxes, sources, fates, transformation processes and associated microorganisms in various marine ecosystems (including ocean, shallow seas, estuaries, coasts, as well as intertidal habitats).





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Charitha Pattiaratchi**  
Oceans Graduate School and The  
UWA Oceans Institute, The  
University of Western Australia,  
Perth, WA 6009, Australia

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Marine) / CiteScore - Q2 (*Civil and Structural Engineering*)

## Contact Us

---

*Journal of Marine Science and  
Engineering* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/jmse  
jmse@mdpi.com  
X@JMSE\_MDPI