

## Special Issue

# Oceanic Internal Waves and Internal Tides in the East Asian Marginal Seas

### Message from the Guest Editors

*Oceanic internal waves (IWs) at frequencies from local inertial (e.g., near-inertial internal waves) to buoyancy frequencies (nonlinear internal waves or internal solitary waves) sometimes including diurnal and semidiurnal tidal frequencies play an important role in redistributing heat, momentum, materials, and energy via turbulent mixing. The IWs are ubiquitously found in many seas, including East Asian marginal seas (South China Sea, East China Sea, Yellow Sea, East Sea or Japan Sea, Okhotsk Sea), significantly affecting underwater acoustics, coastal and offshore engineering, submarine navigation, biological productivity, and the local and global climate. On the IWs in some regions, our understanding of the IWs in the East Asian marginal seas is still in a primitive state and the mechanisms underlying every stage (generation, propagation, evolution, and dissipation) of IWs are not always clear. This Special Issue invites papers related to all fields of both low- and high-frequency IW studies in the specified region, including remote sensing, in situ observations, theories, or numerical models.*

*Prof. Dr. SungHyun Nam*

---

### Guest Editors

Prof. Dr. Sung Hyun Nam

Ocean Observation Laboratory, School of Earth and Environmental Sciences, Seoul National University, Seoul 08826, Republic of Korea

Prof. Dr. Xueen Chen

College of Oceanic and Atmospheric Sciences, Ocean University of China, Qingdao, China

---

### Deadline for manuscript submissions

closed (25 December 2021)



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/62265](https://mdpi.com/si/62265)

*Journal of Marine Science and  
Engineering*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jmse@mdpi.com](mailto:jmse@mdpi.com)

[mdpi.com/journal/  
jmse](https://mdpi.com/journal/jmse)





# Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/journal/  
jmse](https://mdpi.com/journal/jmse)



## 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

Prof. Dr. Charitha Pattiaratchi

Oceans Graduate School and The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

---

### Author Benefits

#### High Visibility:

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 15.6 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).