

# Special Issue

## Sound Scattering in the Ocean

### Message from the Guest Editor

Sound propagation in the ocean is commonly affected by ubiquitous inhomogeneities which scatter sound waves. This Special Issue is intended to provide a comprehensive survey of various manifestations of sound scattering. Both theoretical and experimental papers are encouraged. The Issue's scope includes, but is not limited to, the following topics:

- Sound scattering on internal waves;
- Sound scattering on synoptic eddies;
- Sound scattering from the ocean bottom;
- Acoustics of ice;
- Hydroacoustic tomography;
- 3D sound scattering
- Ultrasound scattering;
- Mathematical modelling of sound scattering;
- Impact of scattering on underwater communication;
- Signal processing in complicated oceanic environments;
- Statistical aspects of sound scattering;
- Matched field processing.

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### Guest Editor

Dr. Denis V. Makarov

V.I. Il'ichev Pacific Oceanological Institute, Far Eastern Branch Russian Academy of Sciences, 690041 Vladivostok, Russia

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### Deadline for manuscript submissions

closed (1 September 2023)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
CiteScore 5.0



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*Journal of Marine Science and  
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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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#### 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).