

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.

Guest Editor

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Deadline for manuscript submissions

closed (1 September 2023)



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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).