

# Special Issue

## Underwater Acoustics and Digital Signal Processing

### Message from the Guest Editors

We invite you to take part in the Special Issue “Underwater Acoustics and Digital Signal Processing” for the *Journal of Marine Science and Engineering*. This Special Issue is intended to provide the results of original research and reviews of advances in signal processing methods used in underwater acoustics. Both theoretical and experimental papers are encouraged. This Special Issue’s objective is to present theoretical and experimental research. This Special Issue includes, but is not limited to, the following research areas:

- holography signal processing;
- matched field processing (MFP);
- linear and nonlinear time-warping;
- physics-based signal processing;
- adaptive signal processing;
- signal processing for autonomous underwater vehicles (AUVs);
- signal processing for marine mammals;
- active and passive sonar signal processing;
- signal processing in a non-stationary environment;
- signal processing for scalar sensors, vector sensors, antennas;
- signal processing for detection, localization and classification;
- underwater acoustic communications;
- experimental data signal processing results;
- numerical modelling for signal processing.

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### Guest Editors

Dr. Sergey Pereselkov

Prof. Dr. Matthias Ehrhardt

Dr. Pavel Petrov

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### Deadline for manuscript submissions

closed (25 October 2023)



## Journal of Marine Science and Engineering

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

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