

## Special Issue

# Applications of Bubble Dynamics in Ocean Engineering: Theory, Experiment and Simulation

### Message from the Guest Editors

Bubble dynamics have been focused on since the Renaissance and foreshadowed by Leonardo da Vinci, who observed spiral floating bubbles. Many researchers have paid continuous attention to this topic for centuries. In ocean engineering, bubble dynamics are widely used, such as in marine resource exploration, surface cleaning, and underwater explosions, as well as acoustic detecting, etc. The purpose of this Special Issue is to publish the most exciting research with respect to the above subjects and show state-of-the-art scientific achievements. Research that uses theoretical, experimental or numerical methods to explain new bubble dynamics or the new applications of bubbles, especially in ocean engineering, may fit this Special Issue perfectly.

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### Guest Editors

Dr. Xiao Huang

Prof. Dr. Abdellatif Ouahsine

Dr. Peng Du

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### Deadline for manuscript submissions

30 August 2025



## Journal of Marine Science and Engineering

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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

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