# Special Issue

## Underwater Computer Vision and Image Processing

### Message from the Guest Editors

The ability of computer vision algorithms to effectively interpret underwater visual data is often limited by the poor visibility conditions. Therefore, there is an emphasis on devising innovative solutions that can perform well when applied to imagery captured under challenging environmental conditions. We invite you to submit your latest research in the area of underwater computer vision and image processing algorithms to this Special Issue. High-quality papers are solicited to deal with topics that include, but are not limited to, the following areas of research:

- Image enhancement and restoration;
- Scene reconstruction, 3D imaging, and SLAM;
- Underwater photogrammetry;
- Sensor and data fusion in underwater applications;
- Underwater data acquisition systems;
- Object detection, classification, and identification;
- Deep-learning-based methods for underwater applications;
- Tracking and motion analysis;
- Virtual and augmented reality for underwater applications;
- Innovative applications and multidisciplinary approaches in underwater imaging.

### Guest Editors

Dr. Michael O'Byrne
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### Deadline for manuscript submissions

closed (5 August 2021)

# 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.

### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
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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).

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