

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

Xperi/FotoNation, Galway, Ireland

Dr. Vikram Pakrashi

School of Mechanical and Materials Engineering, University College Dublin, Dublin 4, Ireland

Prof. Dr. Bidisha Ghosh

QUANT group, Department of Civil, Structural and Environmental Engineering, Trinity College Dublin, Ireland

Deadline for manuscript submissions

closed (5 August 2021)



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Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

jmse@mdpi.com

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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

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

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JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean Engineering)

Rapid Publication:

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).