

## Special Issue

# Underwater Pipe System Fault Detection

### Message from the Guest Editors

Underwater pipelines represent a lifeline in the exploitation of water, oil, and gas resources. Not only are they the fastest, safest, and most economical and reliable way of transporting such resources, but they also help to overcome territorial (e.g., due to the nature of crossed lands) and political obstacles. Such prerogatives make underwater pipeline a very crucial infrastructure to defend and protect, on the one side, and to keep in perfect working order, on the other side. Such aims can be condensed into a single goal: to detect any fault as soon as possible and as well as possible. Moreover, failure scenarios should be prevented to avoid the non-transportation of resources. Accordingly, this Special Issue is dedicated to innovative but reliable techniques for fault detection and prevention purposes. Monitoring techniques are welcome, particularly sustainable techniques from an economic point of view.

---

### Guest Editors

Prof. Dr. Bruno Brunone

Water Engineering Laboratory, Department of Civil and Environmental Engineering, University of Perugia, I-06125 Perugia, Italy

Dr. Silvia Meniconi

Water Engineering Laboratory, Department of Civil and Environmental Engineering, University of Perugia, I-06125 Perugia, Italy

---

### Deadline for manuscript submissions

closed (20 May 2024)



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/174598](https://mdpi.com/si/174598)

*Journal of Marine Science and  
Engineering*

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

[jmse@mdpi.com](mailto:jmse@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[jmse](https://jmse)





# Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/journal/  
jmse](https://mdpi.com/journal/jmse)



## 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

---

### Author Benefits

#### High Visibility:

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 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).