



## Risk Assessment and Safety of Ships and Offshore Structures

Guest Editors:

**Dr. M. P. Mujeeb-Ahmed**

Department of Naval  
Architecture, Ocean and Marine  
Engineering, University of  
Strathclyde, Glasgow, UK

**Prof. Dr. Evangelos  
Boulougouris**

Maritime Safety Research Centre,  
Department of Naval  
Architecture, Ocean and Marine  
Engineering, University of  
Strathclyde, Glasgow G4 0LZ, UK

Deadline for manuscript  
submissions:

**closed (31 March 2024)**

### Message from the Guest Editors

Dear Colleagues,

We are writing to invite you to submit papers on the safety of marine structures with an emphasis on quantitative methods. The increasing development of commercial and energy-related activities in the ocean space demands the establishment of robust risk and safety assessments in order to manage the expected impacts. The scope of this Special Issue includes (but is not limited to) the following topics:

- Quantitative and qualitative risk assessment studies;
- Design and operational risk assessment;
- Risk-based decision making;
- Regulatory framework;
- Environmental risk assessment;
- Case studies on the safety of marine structures;
- Safety and reliability;
- Structural and fluid–structure interaction simulations;
- Material degradation;
- Ultimate and accidental limit state design;
- Stochastic analysis of structure;
- Fatigue analysis of marine structures;
- Reliability-based maintenance and optimisation.

We look forward to receiving high-quality submissions from researchers and industry practitioners, and making this Special Issue a success.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Tony Clare**

School of Natural and  
Environmental Sciences,  
Newcastle University, Newcastle  
upon Tyne NE1 7RU, UK

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

**Journal Rank:** JCR - Q1 (*Engineering, Marine*) / CiteScore - Q2 (*Ocean Engineering*)

## Contact Us

---

*Journal of Marine Science and  
Engineering* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/jmse  
jmse@mdpi.com  
X@JMSE\_MDPI