

Special Issue

Risk Assessment and Safety of Ships and Offshore Structures

Message from the Guest Editors

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.

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 (MSRC), Department of Naval
Architecture, Ocean & Marine Engineering, University of Strathclyde,
Glasgow G4 0LZ, UK

Deadline for manuscript submissions

closed (31 March 2024)



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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

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

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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).