

Special Issue

Reliability, Risk, and Hazard Assessment of Marine Structures

Message from the Guest Editor

Marine structures, including offshore platforms, subsea pipelines, floating renewable systems, and coastal defenses, operate under highly uncertain and dynamic environmental, operational, and loading conditions. Their safety and long-term performance are influenced by factors such as extreme waves, wind, currents, corrosion, fatigue, accidental events, and climate change. In this context, traditional deterministic design approaches are no longer sufficient to guarantee resilience and sustainability. This Special Issue focuses on advances in "Reliability, Risk, and Hazard Assessment of Marine Structures". The collection aims at investigating how hydrodynamic effects influence risks and hazards to marine structures, and to develop assessment approaches that improve their safety, reliability, and resilience.

Guest Editor

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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

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Western Australia, Perth, WA 6009, Australia

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