

Special Issue

Instability and Failure of Subsea Structures

Message from the Guest Editors

We warmly invite you to contribute a review, perspective, communication, or research articles regarding “Instability and Failure of Subsea Structures”.

Challenges: Subsea structures are designed to meet requirements of having a reasonably long and safe operational life with the risk of catastrophic failures in ocean environments reduced to a minimum. The safety and resilience of subsea development are highly dependent on the stability, deformability, ductility, and strength of subsea structures or materials. The complicated interactions between the fluids, subsea structures, and the seabed have not been well understood. Another challenge is that problematic soils are widely distributed in the seabed. These will bring about numerous geohazards, foundation instabilities, structural or material failures.

Potential topics: Potential topics of this Special Issue include, but are not limited to:

- (1) Failure mechanisms of subsea structures;
- (2) New materials used in subsea structures;
- (3) New design methods for subsea structures;
- (4) New construction methods for subsea structures.

Guest Editors

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Deadline for manuscript submissions



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/67704

Journal of Marine Science and Engineering

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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
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