

# Special Issue

## Subsea Pipelines

### Message from the Guest Editors

A subsea pipeline (also known as an offshore pipeline or submarine pipeline) is a pipeline that is laid on the seabed or inside specially constructed trench. The use of pipelines represents a reliable mode of transport of oil and gas. To prevent failure scenarios, such as improper pressurization, localized buckling, fatigue failure and instability, the limit strength, internal/external pressure, corrosion-resistant material selection, and stability management are main concerns in the design, installation and operation of the submarine pipelines. This Special Issue will be dedicated to experimental analysis, numerical simulations and analytical solutions related to various aspects of the design and analysis of subsea pipelines. The topics of interest are listed below:

- Collapse/burst pressure;
- Buckling strength;
- Reliability analysis;
- Corrosion defect and coating;
- Initial imperfections;
- Sandwich pipes;
- Pipe-in-pipe;
- Thermal analysis;
- Design and installation;
- Material characteristics;
- Combined loading condition.

Dr. Bai-Qiao Chen

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### Deadline for manuscript submissions

closed (1 October 2022)



## 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.

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### Editor-in-Chief

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