

# 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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### Guest Editors

Dr. Baiqiao Chen

Centre for Marine Technology and Ocean Engineering (CENTEC),  
Instituto Superior Técnico, Universidade de Lisboa, Av. Rovisco Pais,  
1049-001 Lisbon, Portugal

Prof. Dr. Carlos Guedes Soares

Centre for Marine Technology and Ocean Engineering (CENTEC),  
Instituto Superior Técnico, Universidade de Lisboa, Av. Rovisco Pais,  
1049-001 Lisboa, Portugal

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### Deadline for manuscript submissions

closed (1 October 2022)



# Journal of Marine Science and Engineering

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jmse@mdpi.com](mailto:jmse@mdpi.com)

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### Message from the Editor-in-Chief

*Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312)* focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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### 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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