

Special Issue

Offshore Structures: Latest Advances and Prospects

Message from the Guest Editors

Various offshore structures are developed to exploit and utilize marine resources. In addition, innovative platforms are designed to efficiently alleviate environmental loads, and thus a comprehensive understanding of the structural performance of offshore structures is beneficial for their design and construction. The Special Issue showcases studies on the wave-induced motions and load responses of offshore structures (floating and fixed offshore platforms, offshore infrastructures, underwater vehicles, etc.) using numerical simulation. Specific potential areas presented in the Special Issue include, but are not limited to, the following: hydrodynamics, structures and materials, stability and safety, ocean environmental engineering, renewable energy, and digital twin technology.

Guest Editors

Dr. Tiaojian Xu

State Key Laboratory of Coastal and Offshore Engineering, Dalian University of Technology, Dalian 116024, China

Dr. Ming He

School of Civil Engineering, Tianjin University, Tianjin 300350, China

Deadline for manuscript submissions

closed (21 May 2025)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/189184

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/

[appls](https://appls.mdpi.com)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)