Special Issue

Application of Flexible Structure in Marine Engineering

Message from the Guest Editor

In order to meet coastal protection, the worldwide demand of energy, and food production needs, researchers are working hard to find flexible-type structures that are cost-efficient, reusable, rapidly deployable, protected from seismic shocks, and do not damage the marine ecosystem, which could find applications in breakwaters, flexible-type structure wave energy converters, fish cages, etc. As the mathematical theory and methods of flexible structure type complex problems are still under development, modeling of such problems based on various methodologies will have a great impact and be of interest to the readers. This Special Issue will include, without being limited to, the following topics:

- Linear and nonlinear wave interaction with flexible structures;
- Breakwaters of horizontal/vertical flexible porous elastic/membranes;
- Flexible wind energy device, plate/membrane type structure;
- Analytical and numerical flexible net-type model;
- Fluid–structure interactions;
- Boussinesq-type model associated with flexible structures;
- Effect of bottom on floating/submerged flexible structures;
- Flexible floating/submerged and moored system dynamics.

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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