



CFD Analysis in Ocean Engineering

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Message from the Guest Editors

Dear Colleagues,

To accommodate our ever-increasing energy needs, the exploration of oil and natural gas is marching towards the deep sea and tremendous efforts have been made towards developing viable renewable energy sources from the ocean, including wind, tidal current and waves. It is utterly important and challenging to guarantee the safety of offshore structures constructed in the ocean for the purpose of extracting resources and energy from the deep sea. Computational Fluid Dynamics (CFD) is playing an increasingly important role in fundamental and applied research in ocean engineering. This Special Issue aim to collect articles that highlight the research in ocean engineering though CFD analysis. It covers a variety of topics including, but not limited to, wave dynamics, tidal current, offshore fluid–structure interaction, wave and tidal energy and ship hydrodynamics. Papers that report new research methods, fundamental fluid mechanics or applied research outcomes in relevant areas are welcome.





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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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