

Special Issue

Sustainable Offshore and Ocean Engineering Applications: Computational Hydrodynamics and Aerodynamics

Message from the Guest Editors

To achieve sustainable development in offshore and ocean engineering, computational fluid dynamics (CFD) will have an important role to play. For example, to evaluate the survivability of floating offshore wind turbines (FOWTs) under extreme marine conditions, i.e., storms, high-fidelity CFD models are needed in order to accurately predict highly non-linear wave-support structure and wind-turbine rotor interactions as well as the complex interplay between the hydrodynamic and aerodynamic loads. The aim of this Special Issue is to disseminate the latest advancements in CFD techniques for sustainable offshore and ocean engineering applications. A key focus will be on the development of efficient multi-physics and multi-scale models which can be used to aid the design and deployment of next-generation offshore engineering structures...

Guest Editors

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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