

## Special Issue

# Application of Fluid Mechanics in Ocean Engineering

### Message from the Guest Editor

Fluid mechanics is a fundamental discipline that underpins numerous aspects of ocean engineering and provides essential tools and principles to understand and manipulate the behavior of fluids in marine and offshore environments. This Special Issue aims to compile cutting-edge research that showcases the application of fluid mechanics to address complex challenges within ocean engineering. By highlighting the latest advancements and innovations, this collection seeks to demonstrate how fluid mechanics can drive technological progress and enhance our understanding of marine systems. Contributions to this collection will cover a broad spectrum of topics centered around the application of fluid mechanics. These include the following:

- Hydrodynamic Design and Optimization
- Wave and Current Interactions
- Turbulence and Flow Control
- Environmental Fluid Mechanics
- Advanced Simulation Techniques
- Marine Environmental Prediction

### Guest Editor

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### Deadline for manuscript submissions

closed (20 September 2025)



## Applied Sciences

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### 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.

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### Editor-in-Chief

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