



Underwater Hydrodynamics and Vibration

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Message from the Guest Editors

Dear Colleagues,

Underwater structures and systems face unique challenges due to the complex interplay of hydrodynamics and vibrations in aquatic environments. These challenges are encountered across various domains, including offshore engineering, marine technology, and underwater vehicle design. Understanding the intricate dynamics between underwater structures and the surrounding fluid is essential for the safe and efficient operation of marine systems.

This Special Issue delves into the dynamic interactions between underwater structures and the surrounding fluid environment. It explores a wide range of topics, including hydrodynamic forces on submerged objects, vibration analysis of underwater systems, and the effects of water flow on marine structures. Researchers and experts contribute their insights into the challenges and advancements in understanding the complex hydrodynamic phenomena that impact offshore engineering, marine technology, and underwater vehicle design. By investigating these complex phenomena, this Special Issue aims to advance our understanding of underwater hydrodynamics and vibration and their applications in various domains.





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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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