Special Issue

Modeling of the Flow Field Around and Tension Force on Porous Structures

Message from the Guest Editors

Porous structures are widely employed in practical applications, and the understanding of the fluid flow in porous structures is beneficial for the design of porous structures. Many attempts have been made over the years to analyze the fluid flow and hydrodynamic loads on porous structures. The Special Issue reports research on the flow field around porous structures (such as artificial reef, porous breakwater, kelp vegetation, and fish cage, etc.) by numerical simulation. The specific areas presented in this issue include, but are not limited to: Hydrodynamics, Structures and materials, Stability and safety, Ocean environmental engineering, Renewable energy, Digital twin technology.

- numerical simulation
- porous structure
- flow field
- hydrodynamics

Guest Editors

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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.

Editor-in-Chief

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