Special Issue

Hydrodynamics and Wave Energy of Coastal Engineering

Message from the Guest Editor

As a form of water movement, wave is one of the concerns of *Water*. Traditionally, waves have a negative effect on coastal engineering structures, but this also shows that there is a significant amount of energy in waves. In recent years, due to the increasingly serious international energy problems, the research and development of renewable energy has generated considerable interest in the scientific community. Wave energy plays an important role in many renewable energy sources because of its huge reserves. The combination of wave power generation equipment with existing coastal engineering structures can reduce both the construction cost and the risk of wave damage to coastal structures. Moreover, many wave power plants are already in use. This Special Issue aims to share cutting-edge research on wave power technology, including, but not limited to, oscillating water column (OWC), oscillating buoy (OB), over topping and its combination with coastal structures, which reveals its energy-harvesting mechanism. We hope to provide new concepts and ideas for improving plant performance and reducing construction costs.

Guest Editor

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST
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