Special Issue

Turbulent Flows and Interactions with Natural and Anthropic Obstacles

Message from the Guest Editor

The overall objective of this Special Issue is to present innovative research based on experimental, numerical, and field approaches on turbulent flows and interactions with natural and anthropic obstacles. State-of-the-art studies on this topic are welcome as well.River flows are substantially affected and altered by obstacles such as trees, large boulders, and civil structures in their path. Such natural and anthropic obstacles can modify the flow field by creating complex turbulent structures and even large-scale circulations. The complexity is further exaggerated when the flow also interacts with a movable bed in conjunction with other environmental conditions such as the clustering of multiple obstacles and density variations. Thus, this Special Issue is targeted towards experts in hydraulics, physics, and environmental fluid mechanics, and will offer a modern panoramic view on all the above aspects to this vast community of researchers.

Guest Editor

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Deadline for manuscript submissions

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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

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