Special Issue

Modeling and Measurement of Driftwood Movement in Rivers

Message from the Guest Editor

In recent years, driftwood has become a major issue for river engineering in terms of both disasters and environmental concerns. Driftwood can cause or exacerbate disasters in rivers through direct damage of river structures and buildings, water level increase due to driftwood jamming, clogging of intakes, and so forth. On the other hand, driftwood can benefit rivers, for instance, through provision of shelters for fish and food for some organisms. To manage driftwood both for mitigating disasters and preserving its benefits, understanding driftwood dynamics in rivers is of critical importance.

This Special Issue focuses on innovative research clarifying the static and dynamic behavior of driftwood in rivers. This includes new measurement/observation methods, physical model experiments, theoretical approaches, numerical analysis modeling, or other topics related to the role and behavior of driftwood in rivers. I hope that the publication of this issue will play a significant role in the progress of research concerning driftwood in rivers, both in terms of establishing the current state of science and through identification of those important issues yet to be addressed.

Guest Editor

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Deadline for manuscript submissions

closed (20 October 2021)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/47894

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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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