Special Issue

Advances in River Hydraulic Characterization

Message from the Guest Editor

The characterization of river hydraulics is a very important to the definition of problems concerning flood models and the stability of banks. These aspects are closely related to the scale of observation of hydraulic phenomena. The latter has significant value both at the channel and basin scale. This coupling of scales is now possible thanks to modern LiDAR detection techniques, in which topographic surveys are predominant. This Special Issue aims to emphasize new numerical techniques in the field of hydraulic observations. This framework represents a new paradigm towards the development of computational procedures for the spatio-temporal scale representation of complex hydraulic phenomena. Keywords: hydraulic characterization of rivers; channel and basin scales; scaling laws

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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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