

Special Issue

Sediment Transport in Open Channel Flow

Message from the Guest Editor

Quantification of sediment load in rivers and streams has challenged scientists and engineers for decades because of the complexity of near-boundary turbulence structures, non-uniformity of sediment particles, dynamics of bed form, and presence of vegetation, etc. Recently, intensive experimental research has been carried out using advanced instruments, including LSPIV, LSPTV, ADCP, and ADVs. This Special Issue aims to publish new observations and theoretical analysis of sediment transport in open channel flow. Experimental research, field data analysis, a case study of sediment load and novel theories of sediment transport are highly encouraged. Computational modeling of sediment transport processes and examination of various sediment transport equations are also suitable topics.

Guest Editor

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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

Dr. Jean-Luc PROBST

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