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

Prof. Dr. Jennifer G. Duan

Department of Civil and Architectural Engineering and Mechanics, University of Arizona, Tucson, AZ 85721, USA

Deadline for manuscript submissions

closed (31 August 2023)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/138676

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/journal/water

About the Journal

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
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

MDPI