Special Issue

Hydrology of Small Catchments and Reservoir Sedimentation

Message from the Guest Editors

Siltation of reservoirs is an indicator of the intensity of erosion processes and sediment yields of river catchments. An estimation of sediment yield is significant for hydroengineering practices, environmental prediction and modelling. It also reflects environmental changes in the form of climate and land use. There are two main factors that alter the hydrological cycle and cause changes in a spatio-temporal distribution of the runoff and sediment transport in the catchment – direct human activities and changes in climatic variables. This Special Issue of Water aims to collect contributions of recent results on monitoring and modelling the changes in runoff, sediment yield as well as in reservoir sedimentation. Papers dealing with: (a) the influence of land use and/or climate changes on small catchment responses, (b) single event rainfall–runoff–sediment yield processes, as well as (c) questions of reservoir sedimentation are especially welcome.

Guest Editors

Prof. Dr. Kazimierz Banasik

Dr. Adam Krajewski

Prof. Dr. Paolo Porto

Deadline for manuscript submissions

closed (31 March 2023)

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

mdpi.com/journal/water

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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

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

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