

Special Issue

River Science: Integrated Management of Water Resources in the Anthropocene

Message from the Guest Editor

River science is a “rapidly developing interdisciplinary field at the interface of the natural sciences, engineering and socio-political sciences. It recognises that the sustainable management of contemporary rivers will increasingly require new ways of characterising them to enable engagement with the diverse range of stakeholders” (sensu Gilvear et al. 2016). In the Anthropocene, rivers face multiple stressors, which require a holistic view of river systems to support integrated management of water resources. Based on abiotic and biotic monitoring, sustainable water management can be implemented. This Special Issue aims to (i) outline the needs for integrated water management in the 21st century and to (ii) provide examples from research (which support process understanding) as well as (iii) application.

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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

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