

Special Issue

Hydrological Impact of Typhoon on Rivers

Message from the Guest Editors

Rivers link terrestrial and marine ecosystems, not only transporting numerous substances downstream, but also shaping landscapes and fostering aquatic ecosystems through the interactions of biogeochemical processes with numerous agents. In this regard, rainstorms are regarded as an episodic, strong trigger that accelerates riverine transport and causes sequestrial effects. Recently, global warming has accelerated water cycling via thermodynamics and thus the frequency and intensity of extreme events have been enhanced. The intensified extreme events inevitably stimulate the response of river systems through sediment and nutrient transport, as well as the associated biogeochemical processes. Those strong impacts on river systems should be comprehensively explored. This issue aims to improve the understanding of rainstorm effects in river systems. Inter- and cross-discipline studies on different watershed scales, linking ecosystem services and on watershed management are particularly welcome.

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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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