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Hydro-Sediment Dynamics in Vegetated Rivers

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Message from the Guest Editors

Due to environment changes and anthropogenic activities, a lot of rivers have a diminished upstream sediment supply that has a significant impact on riverbed evolutions. Many river restoration projects employ vegetation to stabilize riverbeds and retain sediment, but some projects fail because the interaction between flow, vegetation and sediment is not clear. Therefore, understanding hydrodynamics and sediment dynamics in vegetated rivers is very important to river restoration and protection.

This Special Issue will focus on hydro-sediment dynamics in vegetated rivers but is not limited to this topic. For example, flood control in vegetated rivers, the ecological environment in vegetated regions, and the simulation of vegetated landscapes are also very welcome topics. We sincerely invite researchers to submit their experimental, numerical, theoretical, and field studies regarding hydrodynamics and sediment dynamics in vegetated rivers.

Please feel free to contact us if you are interested in this Special Issue.

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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.

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