Special Issue

Hydraulic Parameters for Sediment Transport and Interaction with Riparian Vegetation

Message from the Guest Editor

The purpose of this Special Issue is to explore the knowledge and understanding of the events, mechanisms, reasons, factors, effects, current and future trends of the current switching mode of WHITE river to GREEN river by the flow mechanisms related to flood hydrology and sediment transport into the riparian area, as well as the effects of anthropogenic effects, such as flood control structures, discharges of nutrients, pollutants, sediments, and the alteration of the catchment area. This issue invites scientific research on different thematic areas such as laboratory scale, green house and field observations related to vegetation growth, and interacting factors and its effects on the ecosystem. Methodologically, in addition to the results of field observation, numerical modelings and long-term management perspectives of flood plain areas are also highly encouraged.

Guest Editor

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Deadline for manuscript submissions

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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

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