Special Issue

Fluvial Hydraulics in the Presence of Vegetation in Channels

Message from the Guest Editors

Vegetation patches and strips in riverbeds and riverbanks have a crucial effect in aquatic ecosystems. Vegetation patches and strips play an important role in transporting contaminants through changes in flow hydrodynamics. The interaction between flow and vegetation in channel should be considered in the projects of urban hydrology, stream restoration, and flood management. Enrichment and development of vegetation patches have numerous benefits for the environment, indicating that plants have a remarkable role in erosion control in addition to their ecological effects comparing to structural methods. To date, scientists have conducted a large amount of cutting-edge research on all aspects of sediment transport and fluvial hydraulics in the presence of vegetation patches/strips in channels. So many research papers have been published to help researchers to continue to explore the subject in the right direction. The aim of this Special Issue is to seek research works that improve knowledge of sediment transport and fluvial process with the presence of vegetation/plants in channels. For further reading, please visit the ***Special Issue website***

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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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