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River Floodplain Restoration

Guest Editors:

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Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editors

Dear Colleagues,

River floodplains are some of the most biologically diverse and productive ecosystems on earth. Fluvial dynamics associated with flooding play a major role in maintaining a diversity of lotic, lentic, and semi-aquatic habitat types across space and time. Further, a river's lateral connectivity with its floodplain supports hydrodynamic, geomorphic, and ecological processes that sustain diverse ecosystems while providing ecosystem services such as floodwave attenuation and improved water quality. This Special Issue aims to advance understanding of fundamental and practical elements of river floodplain restoration approaches including advancements in restoration frameworks, design approaches, numerical models, applications of remote sensing, significant case studies, and other relevant research. We are particularly interested in retrospective articles that critique and advance understanding of floodplain restoration approaches based on historical projects.

For further reading, please visit the **Special Issue Website**.

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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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