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River Restoration Technologies for the Improvement of Biodiversity and Ecosystem Functioning

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Message from the Guest Editors

River health is reflected by the state of biocommunity, biodiversity, and ecosystem function related to the river network and channel morphology. River restoration technologies are effective measures for improving river health and consequent water security for human beings and commonly represent multifaceted interventions to modify the river ecosystem. This Special Issue of *Water* aims to compile articles in the field of river restoration technologies.

In addition to papers on technology application and project implementation, papers on the establishment of ecological red and blue lines, biological evaluation criteria of species biodiversity and biocommunity composition, and interaction networks of river biology in river restoration are welcomed. Moreover, from the perspective of scientific evaluation systems of river restoration technologies, the identification of biotic and abiotic indices based on macroscopic large-extent and long-term spatial/temporal biodiversity investigation are of great importance, as they relate to the premise of technical guidelines for water sustainability, ecological restoration and river health management.



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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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