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Restoration of Biodiversity in Streams and Rivers

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Message from the Guest Editors

Dear Colleagues,

Conversion of natural ecosystems for promoting a rapidly-growing human population occurs at alarming rates, causing unprecedented rates of biodiversity loss and associated ecosystem services. Freshwater ecosystems are particularly threatened. These systems naturally host an extraordinarily rich, endemic, and sensitive biota, but over the last few decades, critical declines for several species have been recorded. Restoration of the natural properties of river and stream ecosystem is a widely practiced over the world. In this Special Issue, we aim to gather new findings on effects of restoration of streams and rivers on the abundance and viability of freshwater communities that can serve to guide future restoration efforts. We put special focus on the fate of species that have undergone severe declines over the last decades, including also IUCN-listed freshwater species. Knowledge on species-specific habitat requirements is a basic premise for successful restoration of habitats for these species. We therefore encourage research that include an evaluation of the extent to which restoration efforts have succeeded in creating suitable habitats for these species. ...



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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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