

Special Issue

Nature Based Solutions for Climate Resilient Ecosystems

Message from the Guest Editors

River basins throughout the world are under pressure though increasing population density, land use change and infrastructural interventions. On top of this, climate change is affecting natural hydrological processes as well, resulting in increased frequency and magnitude of extreme hydrological events and alternations in water resource availability. To secure long-term climate resilience of river basins, there is a need for nature-based approaches and solutions to protect and restore the natural processes in river basins. This Special Issue is focusing on restoring ecosystems and enhancing the resilience of ecosystems to changing climate through promoting natural hydrological, geomorphological, biochemical, and ecological processes. The Special Issue will contain papers that will highlight best practices in the application of nature-based solutions in rivers, lakes, wetlands, and marine coastal waters. These showcases will also address the benefits of nature-based solutions in terms of ecosystem services. Best practices will include nature-based flood defenses, natural water retention measures, wetlands for water pollution control, and building with nature approaches.

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Deadline for manuscript submissions

closed (30 November 2020)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/43566

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

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