

Special Issue

Stormwater Management in Urban and Rural Areas

Message from the Guest Editors

In past decades, traditional stormwater management in urban and rural areas was associated with a rapid transfer of water to sewage systems or ditches, which resulted in carrying pollutants and large volumes of water to rivers and streams. Such an approach caused negative changes in the hydrological cycle, as well as groundwater resources depletion, deterioration of water quality and damages to ecosystems.

However, increasing urbanization, along with the intensification of agricultural production and progressive climate change have forced a paradigm shift.

Thus, a new approach to stormwater concerns increasing retention, infiltration, and groundwater recharge, reducing surface runoff and using stormwater treatment methods that mimic nature. Stormwater becomes a valuable resource, especially with the risk of drought growing year after year and extreme temperatures becoming more frequent. The holistic approach considers creating resistant functional ecological systems, [...]

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/stormwater_urban

Guest Editors

Dr. Jan K. Kazak

Dr. Jolanta Dąbrowska

Dr. Agnieszka Bednarek

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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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

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR
CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique
(CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane,
Toulouse, France

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