



Flooding in Urban Areas: Risks and Responses

Guest Editors:

Dr. Tamara Tokarczyk

Prof. Dr. Mirosław Wiatkowski

Dr. Wiwiana Szalińska

Deadline for manuscript
submissions:
closed (31 March 2023)

Message from the Guest Editors

Flooding in urban areas is one of the major classes of disasters in modern towns and cities. A high proportion of impervious areas and altered natural drainage routes result in limited water infiltration, reduced capacity for excess water, large run-offs and overwhelmed drainage systems. Apart from surface water flooding, riverside towns are also at risk due to riverine flooding. The flood risk is expected to exacerbate significantly in the future as a result of the combination of climate change and demographic development. The effects of flooding will be most pronounced and damaging in urban areas where growing spatial density of population, properties and vital infrastructure will raise exposure to the hazard.

This *Special Issue* central concern is to bring together the different aspects and perspectives of urban flood risks to provide a comprehensive overview and a discussion platform for recent advances and trends that aims to explain urban flood risks and to show possible strategies through which they can be successfully managed.





water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](#)