

## Special Issue

# Urban Runoff: Modelling and Management

### Message from the Guest Editors

Urban runoff poses significant challenges for hydrologists, urban planners, and environmental managers due to its impact on water quality, flood risks, and ecological health. Urbanization has dramatically transformed natural landscapes into impervious surfaces, significantly altering the hydrological cycle and increasing the volume and velocity of runoff in urban areas. Consequently, urban runoff management has become a critical area of research, aiming to mitigate adverse effects through innovative modelling techniques and sustainable management practices. The aim of this Special Issue on “Urban Runoff: Modelling and Management” is to bring together cutting-edge research and practical solutions that address the complexities of urban runoff, seeking to advance our understanding of urban hydrological processes and to develop innovative modelling techniques and management strategies that can be applied in various urban settings.

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### Guest Editors

Dr. Mohammed N. Assaf  
Dr. Sara Todeschini  
Prof. Dr. Asaad Y. Shamseldin  
Dr. Evangelos Rozos

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### Deadline for manuscript submissions

closed (31 December 2025)



## Hydrology

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## About the Journal

### Message from the Editor-in-Chief

Hydrology is the study of the waters of the Earth. Hydrology has close ties with hydraulics, hydrogeology and the multiple sciences that study the atmosphere, the land surface, the soil and the subsoil, and ranges from complex problems of risk, forecasting and optimization of water resources to interactions with ecological, urban, social and economic systems. The purpose of *Hydrology* is then to provide a journal where research results and real-world problems can be presented and discussed in order to bridge the traditional gaps between the academic world and the professionals and decision makers. Therefore, *Hydrology*, invites authors to submit their original theoretical, field, experimental, and numerical studies on hydrology with strong emphasis on multidisciplinary approaches and interdisciplinary topics, which cross the typical boundaries of our science.

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### Editor-in-Chief

Prof. Dr. Ezio Todini

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JCR - Q2 (Water Resources) / CiteScore - Q1  
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