



Sustainable Rainwater Management: Challenges and Perspectives

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Message from the Guest Editors

Replacing natural areas with impermeable ones diminishes the volume of water subject to retention and infiltration into the ground, which increases the risk of both flooding and urban drought. Experience shows that existing conventional drainage systems are not capable of transporting the entire surface runoff resulting from heavy rainfall, which causes significant financial as well as social losses. This, in turn, leads to increased interest in using pro-environmental solutions. The existing literature proves that sustainable rainwater management provides many economical, social and environmental benefits, including diminishing the risk of flooding, improving the micro-climate in urban agglomerations, and reducing water consumption, etc. Furthermore, in many cases, the usage of sustainable drainage systems might be a financial advantage for investors.

In this Special Issue, articles on current and innovative strategies concerning the management of rainwater, which will aim to meet the challenges relating to the quality and quantity of rainwater and drainage infrastructure, will be welcome.





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Message from the Editor-in-Chief

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