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Allocation of Rainwater Harvesting Sites in Catchments

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Deadline for manuscript submissions:
closed (31 December 2019)

Message from the Guest Editors

Rainwater harvesting is frequently used as low-cost storage of surface water for agro-forestry and urban applications. In the context of a changing climate and water shortage, the storage of rainwater in small reservoirs is expected to gain predominant role even away from the dryer regions. There is already abundant literature on rainwater harvesting both in the urban and rural environments. In the majority of studies, an irrigation project is at the center of the modeling. In fewer cases the optimal sites are meant to serve as irrigation and wildfire combat water resources, among other potential applications.

The topic of rainwater harvesting is expanding fast due to the generalized growth of water demand triggered by population growth and social development, and to climate change. The purpose of this Special Issue is therefore to bring modelers, practitioners, water planners and stakeholders into a discussion on the rainwater harvesting subject at the catchment scale and in a changing climate. All types of studies on this topic are welcome, namely new models, applications, implementation projects.

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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