Special Issue

Green Roofing with Native Species: Enhance Water Use and Sustainability

Message from the Guest Editor

Most parts of Southern Europe have rainy winters and hot dry summers, implying that vegetation in such regions must survive, to a certain extent, during periods without rainfall. For green roofs, this suggests that suitable plant species must endure dry periods or, alternatively, irrigation must be adopted. Native plants are naturally indicated as candidates for green roofs in such regions, since they are adapted to drought during summer. They further have other advantages: they have evolved with surrounding fauna species, suggesting that they are able to create more suitable habitats for these species on a roof than exotic plant species; they are more resilient to pests and diseases; and they are more likely to form self-sustaining plant communities. However, the microclimate on a roof can differ from the ground, as there is a higher exposure to radiation and wind, and also because plants must survive in a shallow substrate.[...] For further reading, please follow the link to the Special
Issue Website at:
https://www.mdpi.com/journal/water/special_issues/GreenRoofing_Water_Use

Guest Editor

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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

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