

Special Issue

Green Stormwater Infrastructure for Sustainable Urban and Rural Development

Message from the Guest Editors

Sustainable stormwater management is part of a strategic plan to achieve resilience against unpredictable changes such as flood and drought conditions. Green Stormwater Infrastructure (GSI) has become one of the main means for adapting urban, suburban, peri-urban and transportation corridors to climate change and minimize the effects of unchecked urbanization; additionally, GSI delivers ecosystem services such as carbon sequestration, heat island mitigation, air quality protection, and increased biodiversity. A good example of the implementation of GSI are the Green Street programmes and Green Highways initiatives, both of which have been developed in many countries worldwide. This Special Issue aims to increase the knowledge in how GSI can (1) impact design and retrofitting activities in urban(izing) regions, (2) meet regulatory requirements, while considering climate change, and (3) provide wider benefits such as biodiversity enhancement, amenity and improvement of flood resilience and pollutant removal efficiency.

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Deadline for manuscript submissions

closed (28 February 2019)



Sustainability

an Open Access Journal
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Impact Factor 4.1
CiteScore 8.9



mdpi.com/si/11528

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