Special Issue

Permeable Pavement Systems: Advances and Challenges in Stormwater Management

Message from the Guest Editors

The rise in precipitation combined with cities' disorderly urbanization process that leads to an increase in impervious surface areas is a challenge that researchers have to face. Moreover, drainage elements and stormwater disposal, in general, are not efficient when it comes to the rainfall intensity that each region requires. Based on these, it is necessary to provide infrastructure changes to minimize the excess of stormwater accumulated on surfaces. On the other hand, in many parts of the world, people suffer due to water scarcity, and harvesting stormwater from porous or permeable pavement systems emerges as an alternative water resource. Climate change, increasing water scarcity, population growth, and disorderly urbanization represent some of the problems to be solved. Research that involves water supply systems can result in many benefits to society and to the Earth. Stormwater and runoff collected from a porous or permeable pavement shows a high potential for use for non-potable water purposes in buildings... Please view the following link for more information: https://www.mdpi.com/journal/water/special_issues/permeable_pavement_stormwater

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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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