

Special Issue

Microbial Processes in Stormwater BMPs

Message from the Guest Editors

With the advent of low impact design (LID), a variety of stormwater best management practice (BMP) designs have been implemented to provide distributed localized stormwater treatment. While the original goal of these designs was primarily to buffer the hydrologic impacts of impervious runoff (e.g., flooding), as urban land cover has increased, there is an increased reliance on LID to concurrently improve water quality before discharging surface waters. However, recent reviews of stormwater management highlight ongoing knowledge gaps related to stormwater BMPs, including variable performance in nutrient reduction as well as a lack of knowledge about effectiveness in the inactivation of human pathogens. Microorganisms are central to these knowledge gaps, both as potential contaminants and as facilitators of contaminant transformation and degradation, yet they remain one of the least commonly studied components of stormwater BMPs[...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/Stormwater_BMPs

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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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