Special Issue

Plant and Microbial Processes in Stormwater Treatment Systems

Message from the Guest Editors

A primary function of stormwater treatment systems is to sequester pollutants of concern to both public and ecosystem health, and restore more natural hydrology to urban catchments. Research has highlighted the importance of biological processes for irreversible removal of many pollutants, such as uptake by plants and transformations made by microbes, and contributions to stormwater volume reductions. However, more work is required to move beyond our current "black box" understanding of these processes, especially considering the critical importance of plants and microbes in treatment systems and our lack of knowledge as to how they competitvely or complimentarily interact. This Special Issue will be dedicated to addressing and understanding the role played by plants, microorganisms and their interactions in stormwater treatment systems.

Keywords Stormwater treatment, green infrastructure, plants, microbia

Guest Editors

Dr. David McCarthy

Environmental and Public Health Microbiology Laboratory (EPHM Lab), Department of Civil Engineering, Monash University, Clayton, Australia

Dr. Jon Hathaway

University of Tennessee, Knoxville, Department of Civil & Environmental Engineering, Knoxville, United States

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

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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

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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