



Green Technologies for Urban Water Management

Guest Editors:

Dr. Kefeng Zhang

Dr. Veljko Prodanovic

**Prof. Dr. Eduardo Mário
Mendiondo**

Prof. Dr. Aleksandar Djukić

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Message from the Guest Editors

Dear Colleagues,

With rapid urbanisation and climate, cities are facing more challenges in the way they deal with urban water (stormwater, greywater, pre-treated domestic/commercial wastewater). Green technologies including constructed wetlands, ponds, bioretentions (or raingardens), swales and porous pavements, etc.

The scope of this special issue contains following:

Treatment performance: Hydraulic performance; Water quality improvement (solids, nutrients, heavy metals, trace organic chemicals)

Modelling of the treatment: Process-based models; Data-driven models

Real time control of the technologies (IoT technologies): Digital and smart water monitoring; Artificial intelligence in water monitoring

Planning of the green technologies in urban environment: Rainwater cleansing; Stormwater recycle and reuse

Climate impact on the performance of green technologies: Decarbonization technologies; Zero-net water-energy optimization





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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

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Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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