



Sustainable and Resilient Drainage System under Changing Environments

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Message from the Guest Editors

This century has been witnessed unprecedented hydrologic extremes, such as floods and droughts on every corner of the Earth. These changing environments raise us a new, but fundamental question of sustainability. Will our infrastructures or our systems, which are focused mainly on efficiency, but that are becoming more and more vulnerable, remain functional and sustainable in the near future?

Engineers and policy makers are to seek alternative and sustainable solutions that are environmentally friendly, that are functional as conventional solutions, even under changing environments. The approach is often generally called the green infrastructure (GI), with many other expressions, such as lower impact development (LID), best management practice (BMPs), sustainable drainage (SuDs), and so forth.

This Special Issue aims to contribute to the quantitative evaluation of sustainable drainage systems, to implement them more strategically under a changing environment. The evaluation of a sustainable drainage system includes various aspects of the values in it, such as the engineering, economic, environmental, aesthetic, and social value that it creates.





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