

Special Issue

Rethinking Urban Water Infrastructure – Sustainable Approach to Urban Drainage Systems

Message from the Guest Editors

It is well known that urban areas are particularly sensitive to a changing climate. The increase in rainfall intensity contributes to an increase in the risk of flooding, and the increase in impervious areas hinders the natural infiltration of rainwater into the ground, intensifying the effects of droughts. Under such conditions, the interest in water management within the circular economy model is growing, and the implementation of the Sustainable Development Goals is becoming more important. Sustainable stormwater management has many advantages that can be considered on social, economic and environmental levels. The most important advantages include flood protection, improving the condition of watercourses and the possibility of using rainwater as an alternative source of water. Considering the impact of stormwater management on human life and health, the aim of this Special Issue is to present modern methods for stormwater management. Papers devoted to the analysis of the functioning of various types of drainage systems and facilities, technical parameters of the systems, and the use of modern methods and tools in flood risk management will be welcome.

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