

Special Issue

Climate Adaptation from an Environmental Perspective

Message from the Guest Editor

There is an increasing focus on the handling of stormwater discharges from urban areas. Climate changes and increased paved areas are inducing a need for climate adaptation to avoid flooding, but also to avoid undesired impacts on the receiving waters such as erosion, nutrient enrichment, loading with xenobiotics, and withdrawal of animals and plants. Stormwater treatment is often a combination of storage and controlled outlet, to avoid hydraulic impacts and to remove various substances, thereby improving the water quality in the discharged water. This Special Issue is dedicated to studies presenting environmental effects (positive and negative) caused by climate adaptation, stormwater handling and different treatment methods, outlet from common sewers versus separate sewers, sustainable urban drainage systems, etc. Environmental effects in this case are of hydraulic, physical, chemical, and biological character. Several keywords are listed, but not limited to:

- stormwater treatment
- urban stream syndrome
- urban runoff
- climate adaptation
- environmental effects
- hydraulic stress
- pollution

Guest Editor

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