



Urbanization under a Changing Climate – Impacts on Urban Hydrology

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Message from the Guest Editors

This Special Issue will cover a wide range of topics from fundamental urban hydrology to measures for enhancing urban water management under urbanization and climate change:

- Rainfall measurement, modeling, and forecasting at a finer resolution in both time and space for variability/change assessment and urban hydrological modeling;
- Impacts of urbanization and climate change on hydrologic components including evapotranspiration, surface runoff and subsurface flow;
- Impacts of urbanization and climate change on receiving water bodies with a focus on degradation in water quality and ecosystems;
- Hydrological modeling and forecasting, particularly taking into account the impacts of both urbanization and climate change;
- Approaches to managing urban stormwater using infiltration-based and retention-based techniques and stormwater reuse;
- Assessment of uncertainty from various sources in hydrological modeling/analysis, especially in a changing climate;
- Urban water infrastructure design (e.g., stormwater drainage system) in a changing climate and/or urbanization;
- Non-stationary hydrology.





water



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Message from the Editor-in-Chief

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