



## Advances in Water Distribution System: Design, Optimization and Application

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### Message from the Guest Editor

Water distribution systems (WDSs) are the most essential part of the public infrastructure and face multiple challenges relating to future uncertainties in providing more sustainable and resilient service.

Considering the large scale and complexity of WDSs, water behavior prediction through accurate computer modeling and analysis is essential and predicted results should be reflected in planning, design and operation.

Especially, the recent optimal design of WDSs should consider system factors such as economic value, resilience in abnormal situations and robustness of supply, and environmental factors such as carbon emission and water quality simultaneously to increase user satisfaction.

The goal of this Special Issue is to concentrate on water distribution systems design and application via optimization approaches or artificial intelligent techniques.





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## Message from the Editor-in-Chief

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