



Integrated Management of Water Distribution Networks and Water Resources

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Message from the Guest Editor

The main aim of this Special Issue, titled “Integrated Management of Freshwater Distribution Networks and the Related Water Resources”, is to focus on advanced approaches regarding the integrated management of the entire freshwater supply chain. This should be done in terms of satisfying the main objectives of the freshwater provider (water utility), which is to guarantee that it will provide its customers with an adequate quantity of water of an appropriate quality, meeting the standards and rules set. The water supply chain must be considered as a whole, starting from the water abstraction point, up until the customers' taps. Modeling, management, and optimization techniques should all be integrated in order to achieve the above-mentioned goals. Special consideration should be given to advanced techniques regarding the day-to-day management of a WDN (i.e., pressure management via virtual vs. static DMAs, asset management, active leakage management, etc.)





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