

Special Issue

Drinking Water Treatment Optimization: Challenges and Innovations

Message from the Guest Editors

Rising water needs for a growing population in many cities in combination with challenges connected to climate change require overseeing and optimizing the production of drinking water in the near future. The expected larger and faster variation in the quality of raw water with respect to turbidity, organic matter, and potentially related factors, such as pollutants and microbes, may be counteracted by a careful selection of smart optimization techniques related to existing or new processes for drinking water production. This choice must also be based on the increasing levels of safety and sustainability demanded in the water sector. In this Special Issue, we wish to document how the drinking water sector is responding in various ways to the above-mentioned challenges. We welcome manuscripts that document limits in operation, techniques, and tools for the identification of optimization potentials and optimization efforts, highlight the use of advanced analytical techniques, sensors, and digitalization, and present benchmarking techniques that allow the valorization of different approaches from a holistic viewpoint.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2020)



Water

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Impact Factor 3.0
CiteScore 6.7



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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