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Application of Circular Economy Principles in Water and Wastewater Utilities

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Message from the Guest Editors

Water and wastewater treatment facilities are designed to improve water quality for specific uses or discharging into the environment. Since recycling is a prerequisite for a circular economy, any discharged or disposed byproduct management practices should be revisited to ensure that full economic value is achieved from its use. In principle, water utilities manage urban water supply, wastewater or rainwater. Improving water quality for use or discharge in ecosystems results in several secondary materials that could eventually be used again or the production of energy if an appropriate market environment is established. Such an environment is interdependent on other competitive resources, while any new market would face several social, legal, and administrative barriers. Considering the above, we believe that this Special Issue will be a perfect outlet for research findings regarding technical, economic, and legal drivers that water utilities should consider for the transition from a linear to a circular economy.



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Special Issue

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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.

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