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Advances in Life Cycle Assessment in Wastewater Treatment

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Message from the Guest Editors

This Special Issue invites research articles on Advances in Life Cycle Assessment in Wastewater Treatment (WWT), an interesting and very useful topic that might be of great interest to the environmental scientist community as well as for the population in general. Wastewater treatment plants (WWTPs) are crucial for mitigating the impact of pollutants on water bodies. The transition to a more sustainable operation model requires increasing the system complexity; increasing recycling to save energy and raw materials; and minimizing emissions to the water, air, and soil. On the other hand, in the pursuit of more sustainable scenarios, the circular economy concept develops strategies and ideas for the treatment, processing, and reuse of waste, providing a second life, reducing the final waste to a minimum, and generating economic opportunities.

Thus, this Special Issue aims to attract new advances regarding the environmental assessment and the inclusion of circular economy philosophy in WWTPs.[...]

For further reading, please follow the link to the Special Issue Website at:

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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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