Special Issue

Advanced Wastewater Treatment and Nutrient Recovery

Message from the Guest Editor

In 2014 we celebrated 100 years of the activated sludge process for wastewater treatment, and this celebration trigged several discussions about the future of the activated sludge process and future developments in wastewater treatment. Personally, I am of the opinion that the activated sludge process is the backbone of our treatment infrastructure and that the vast majority of wastewater treatment plants (WWTPs) will continue to rely on the activated sludge process in its many variants. It is a well-established and well-researched technology that treats our wastewaters reliably for an affordable price. However, to set up our treatment processes for the requirements of the future, we need to consider additional treatment steps that can supplement our currently implemented technologies and allows us—more than today—to design fit-for-purpose treatment concepts. Regarding the effluent quality, such technologies need to be able to deal with chemicals of emerging concern, microplastics, and antibiotic resistance.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2021)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/35249

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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

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