

## Special Issue

# Sustainable Technologies for Municipal Wastewater Treatment: Challenges and Opportunities

### Message from the Guest Editors

Municipal wastewater (MWW) is among the most important sources of pollution and environmental degradation, particularly affecting low- and middle-income countries (LMICs) where infrastructure for its effective treatment is underdeveloped or even undeveloped. However, when viewed under the recently introduced circular economy concept, MWW can also be an important asset for resource recovery and valorization, rather than a waste. For example, its phosphorus (P) content can be recovered as a fertilizer. MWW in an anaerobic digester will produce biogas, while it is also possible to reclaim water from MWW and this can be a game changer in water scarce areas. This Special Issue focuses on the challenges and opportunities of sustainable treatment technologies in MWW, including, but not limited to, those that can a) minimize pollution and eliminate micro/nano-plastics and contaminants of emerging concern (CEC) such as pharmaceuticals and antibiotic resistant bacteria/genes (ARB/ARGs); b) reduce the overall environmental impact of the treatment process; c) recover energy and/or resources; and d) introduce circular economy and zero liquid discharge (ZLD) concepts.

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### Deadline for manuscript submissions

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*Toxics* (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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