

Special Issue

Advanced Wastewater Treatment Processes for Micropollutants and Pathogens Removal

Message from the Guest Editors

The occurrence of recalcitrant and persistent micropollutants and pathogens in the environment is nowadays a major concern because of their potentially negative impacts on human health, natural resources and ecosystems. Municipal WWTPs have been identified as significant sources for the emission of micropollutants, antibiotic-resistant bacteria and genes. These micropollutants are usually referred in the literature as contaminants of emerging concern (CEC) and include a diverse and heterogeneous group of chemicals, that are contained in everyday products, such as pharmaceuticals and personal care products, pesticides, plasticizers, illicit drugs and others. On the other hand, pathogens and antibiotic resistant genes are of concern for wastewater reuse and for the potential to be transmitted through wastewater disposal to the environment. One of the challenges that Environmental Technology has to face in the near future is the optimization of wastewater treatment processes. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/Micropollutants_Pathogens

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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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