Special Issue

Microbial Contaminants in Wastewater

Message from the Guest Editors

Water quality is important for public health, and wastewater effluents, as well as reclaimed water, contain chemicals of emerging concern (CECs). Land application of these matrices and direct discharges of wastewater into surface waters can introduce CECs such as antibiotics, nanoparticles, hormones, and personal care products into the aquatic environment. Therefore, the availability of safe pathogen-free drinking water is vital to public health. The goal of this Special Issue is to present papers exploring the fate and transport of CECs within and across different environmental niches at both inhibitory and subinhibitory levels and how this can promote the emergence of increased resistance in pathogens and change the structure and composition of microbial communities in water and wastewater environments. Papers that investigate the environmental behavior of CECs, develop strategies to reduce or mitigate the release of CECs, and evaluate the ecological risks of CECs in water and wastewater are highly encouraged to be submitted to this Special Issue.

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Deadline for manuscript submissions

closed (30 April 2022)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/71215

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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