Special Issue

Health Issues in Wastewater Treatment and Microbial Risk of Emerging Contaminants Concern Implicated in Antibiotic Resistance

Message from the Guest Editors

Wastewater treatment is an essential process that removes contaminants from domestic and industrial wastewater before it is discharged into the environment. However, this process can also pose health risks due to the presence of emerging contaminants that are implicated in antibiotic resistance. These emerging contaminants, including pharmaceuticals, personal care products, and other chemicals, can persist in the environment and contribute to the development of antibiotic-resistant bacteria. As a result of this Special Issue, it is essential to monitor and manage the microbial risks associated with emerging contaminants in wastewater treatment to protect humans' health and the environment. Various techniques, such as advanced oxidation processes and membrane filtration, are being developed and implemented to address this issue. Additionally, by raising awareness of these issues, stakeholders can work together to develop and implement effective strategies to protect humans' health and the environment. By doing so, we can safeguard public health and promote sustainable water management practices.

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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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