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Antimicrobial Resistance in the Urban Water Cycle and Natural Aquatic Environments

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Message from the Guest Editors

Dear Colleagues,

Antimicrobial resistance (AMR) continues to be an important global health challenge. Rapid urbanization, increased population density, and human/animal misuse of antibiotics contribute to the AMR burden in aquatic compartments that receives discharge from these activities and other sources.

To protect environmental health and reduce AMR burden in water resources, a holistic approach to surveillance, modeling dissemination patterns, and developing risk assessment frameworks offer solutions to manage the spread of AMR in aquatic environments.

This Special Issue aims to feature novel detection methods, comprehensive and current trends in AMR surveillance data (e.g., antimicrobial agents/antibiotic resistant bacteria/antibiotic resistance profiles) in the urban water cycle and natural environments, the fate and transport (sources and sinks) of AMR, and risk models and assessments that will help in water management.

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/Antimicrobial_Aquatic







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Message from the Editor-in-Chief

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