

Special Issue

From Genes to Ecosystems: Investigating Waterborne Pathogens and Antimicrobial Resistance Dynamics

Message from the Guest Editors

Waterborne pathogens and antimicrobial resistance are major concerns in public health. Antimicrobial resistance (AMR) is a complex issue influenced by various factors, including natural phenomena, ecological problems, and antibiotic misuse. The scope of this Special Issue is to address the public health concern of waterborne pathogens and antimicrobial resistance. This Special Issue focuses on understanding the presence and spread of resistance genes, ecological problems driving AMR, and the role of pipes and water bodies in transmitting and disseminating AMR. It also examines the potential reservoirs of antibiotic-resistant bacteria in agricultural runoff and recreational water bodies. We encourage the submission of original research papers, reviews, clinical trials, case reports, and brief communications that delve into these crucial areas of study.

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Deadline for manuscript submissions

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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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