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## Research on Detection of Pathogens in Wastewater

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### Message from the Guest Editors

Research on the detection of pathogens in wastewater is crucial in order to better understand and monitor public health. By analyzing wastewater, scientists can identify the presence and concentration of various pathogens, providing valuable insights into community-wide infections and potential disease outbreaks. This kind of research utilizes advanced techniques such as molecular methods, including PCR and digital PCR, to detect genetic material from viruses and bacteria. The study of pathogens in wastewater is particularly significant during pandemics, aiding in the early detection of infectious diseases like SARS-CoV-2, allowing wastewater-based surveillance to serve as a complementary tool to traditional clinical and vector surveillance, offering a real-time and comprehensive perspective on the prevalence and circulation of pathogens in a population. This research contributes to the development of effective public health strategies and enhances our ability to respond to emerging health threats.



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# Special Issue



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