

Special Issue

Viruses and Bacteria from Wastewater

Message from the Guest Editor

Wastewater-based epidemiology (WBE) is increasingly being used as a novel approach for near-real-time monitoring of community health by detecting and quantifying pathogens excreted in feces and urine. With increasing interest in wastewater epidemiology and concerns over the spread of antimicrobial resistance, there is a need for rigorous studies characterizing and tracking viruses, bacteria, and antibiotic resistance genes in wastewater systems. For this Special Issue, we welcome submissions of cutting-edge research utilizing a range of methodologies and technologies to characterize viral and microbial communities in wastewater. We are interested in studies examining the diversity and abundance of pathogens, including bacterial, viral, and parasitic species, as well as research tracking antimicrobial resistance gene flow through wastewater systems.

Deadline for manuscript submissions

closed (30 June 2025)



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About the Journal

Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics.

Pathogens is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

Prof. Dr. Hinh Ly

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