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Emerging Viruses: Epidemiology and Surveillance Challenge

Guest Editor:

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Deadline for manuscript submissions:

closed (31 December 2024)

Message from the Guest Editor

Dear Colleagues,

The wastewater surveillance of SARS-CoV-2 is a hot topic, and it can be used by public health officials as an early warning tool. This promising tool can also be expanded for other emerging viruses and pathogens.

Detecting these viruses in wastewater is an ongoing challenge. Multiple concentration and molecular methods have been deployed for the detection of respiratory and enteric viruses, including RT-qPCR, RT-ddPCR, and next-generation sequencing.

To address these needs for monitoring emerging viruses and other pathogens, we would like to invite research articles or review papers focused on various aspects of this field, including, but not limited to, the following:

- Rapid detection and identification methods for emerging respiratory and enteric viruses;
- Next-generation-sequencing-based methods;
- Tracking emerging viruses in wastewater in LMICs.

Dr. Samendra Sherchan
Guest Editor



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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.

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