

Special Issue

Enteric Viruses in Environment and Humans: Identification, Surveillance and Control

Message from the Guest Editors

Environmental and human monitoring for enteric viruses, including polioviruses, non-polio enteroviruses, and gastroenteritis viruses, such as rotavirus and norovirus, is integral to the One Health approach. This perspective highlights the interconnectedness of human, animal, and environmental health, emphasizing the impact of environmental viral pathogens through contaminated water, food, or surfaces. The surveillance of environmental reservoirs, such as wastewater, enables the early detection of public health threats, guides vaccination strategies, and mitigates zoonotic transmission risks. Strengthening these systems supports a comprehensive response to global health challenges and aligns human and environmental health efforts. We invite submissions on innovative detection methods, the impact of vaccination programs on environmental virus circulation, and outbreak investigations in humans and animals. Research on the integration of environmental surveillance into public health systems and its role in preventing and managing viral outbreaks is particularly encouraged.

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