

Special Issue

Surveillance of SARS-CoV-2 Employing Wastewater

Message from the Guest Editor

This Special Issue, entitled "Surveillance of SARS-CoV-2 Employing Wastewater", chronicles the evolution of Wastewater and Environmental Surveillance (WES) from the COVID-19 pandemic into 2024. As SARS-CoV-2 has become endemic, WES has risen as the primary form of viral tracking in many countries, underscoring its importance in public health. As of 2024, WES advancements have enhanced the detection of SARS-CoV-2 and contributed to the monitoring of other pathogens, illustrating its potential for widespread use in public health. Developments in WES have enabled public health officials in many countries to proactively manage community infection levels with increased sensitivity and specificity. It delves into the tactical aspects of wastewater surveillance, including sampling, storage, laboratory analysis, data normalization, and communication. This Special Issue serves to synthesize the knowledge gained from the pandemic, demonstrating the application of WES in a One-Health context and its expanding role in the detection and management of infectious diseases. WES is becoming a key element in global health security, playing an active role in the early detection of health threats.

Guest Editor

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

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