

## Special Issue

# One Health in the Flow: Wastewater-Based Epidemiology Across Humans, Animals and Environments

### Message from the Guest Editors

This Special Issue seeks to critically reflect on the innovation arising during the COVID-19 pandemic and examine the next phase of WBE's development, characterized by methodological innovation, standardization and integration into routine health surveillance systems. We invite contributions that advance analytical and molecular techniques, data interpretation frameworks and sampling standardization, as well as studies that extend WBE to novel applications, including antimicrobial resistance, chemical exposures and zoonotic or emerging pathogens from both urban and animal production wastewater. Positioned at the intersection of environmental science, molecular biology and public health, this issue aims to consolidate progress made since the COVID-19 era and explore the pathway toward institutionalized, community-level WBE programs. By situating these contributions within the broader literature on environmental surveillance and One Health, the issue will define the emerging frontiers of wastewater-based monitoring as a cornerstone of 21st-century epidemiology.

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### Guest Editors

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### Deadline for manuscript submissions

21 August 2026



## Toxics

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## About the Journal

### Message from the Editor-in-Chief

*Toxics* (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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### Editor-in-Chief

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