

## Dernières actualités

Une nouvelle méthode améliore la détection des menaces pour la santé dans les eaux usées ([Ma Clinique, 17/09/24](#))

Les eaux usées sont la clé de la détection précoce des maladies ([Nouvelles du Monde 24/09/24](#))

Alerte à la détection du virus de la polio dans les eaux usées de Barcelone ([Nouvelles du Monde, 26/09/24](#))

New method identifies biomarkers in wastewater using origami-paper sensors ([News Medical Life Sciences, 19/09/24](#))

Improved epidemic monitoring via sewage ([ScienceDaily, 17/09/24](#))

Wastewater monitoring can detect foodborne illness ([ScienceDaily, 20/09/24](#))

Wastewater surveillance detects influenza and H5 viruses from human and animal sources ([News Medical Life Sciences, 24/09/24](#))

Avian flu found in wastewater of 10 Texas cities through virome sequencing ([ScienceDaily, 11/09/24](#))

Détection du poliovirus dans les eaux usées ([France-Guyane, 17/09/24](#))

Circulation de poliovirus dans les eaux usées en Guyane ([Santé publique France, 28/10/24](#))

Sewage surveillance proves powerful in combating antimicrobial resistance ([ScienceDaily, 06/11/24](#))

4 Lessons to Guide Cities in Wastewater Monitoring Efforts ([National League of Cities, 03/11/24](#))

EU-WISH: First insight into current wastewater surveillance activities in Europe ([EU-WISH, 10/10/24](#))

## Dernières références bibliographiques

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### Epidémiologie des eaux usées :

Notes from the Field: Support for Wastewater Monitoring and Influence on Protective Behavioral Intentions Among Adults—United States, July 2024. *MMWR. Morbidity and Mortality Weekly Report*, 73:37, 825-827. [Abstract >>](#)

Usage of Wastewater Data as an Early Indicator for Hospitalization Forecasting in Pandemic Situations. *Fraunhofer-Institut für Algorithmen und Wissenschaftliches Rechnen SCAI*. [Abstract >>](#)

Advancing Rural Public Health: From Drinking Water Quality and Health Outcome Meta-analyses to Wastewater-based Pathogen Monitoring. *Virginia Polytechnic Institute and State University*. [Abstract >>](#)

Wastewater surveillance of aircraft toilets and major airport hubs: a novel approach for the global surveillance of infectious diseases. *Università e cooperazione: le sfide contemporanee*. [Abstract >>](#)

Development of a wastewater based infectious disease surveillance research system in South Korea. *Scientific Reports*, 14:1, 24544. [Abstract >>](#)

Sewer system sampling for wastewater-based disease surveillance: is the work worth it? *Journal of Water and Health*, in press. [Abstract >>](#)

A Narrative Review of High Throughput Wastewater Sample Processing for Infectious Disease Surveillance: Challenges, Progress, and Future Opportunities. *International Journal of Environmental Research and Public Health*, 21:11, 1432. [Abstract >>](#)

Characterization of microbial communities in the sewage of a major urban drain. *Journal of Water and Health*, 22:10, 1922-1941. [Abstract >>](#)

## SARS-CoV-2 :

Paper microfluidic sentinel sensors enable rapid and on-site wastewater surveillance in community settings. *Cell Reports Physical Science*, in press. [Abstract >>](#)

The first detection of SARS-CoV-2 RNA in the wastewater of Bucharest, Romania. *Scientific Reports*, 14:1, 21730. [Abstract >>](#)

Wastewater-Based Epidemiology of SARS-CoV-2 RNA in Bethlehem, PA and Lehigh University. *Environments*, 11:10, 212. [Abstract >>](#)

The fate of severe acute respiratory syndrome coronavirus-2 and pepper mild mottle virus at various stages of wastewater treatment process. *Ecotoxicology and Environmental Safety*, 285, 117097. [Abstract >>](#)

Evaluation of wastewater surveillance setups for SARS-CoV-2 at the national scale in the Slovak Republic. *Science of The Total Environment*, in press. [Abstract >>](#)

Rapid SARS-COV2 surveillance using clinical, pooled, or wastewater sequence as a sensor for population change. *Genome Research*, in press. [Abstract >>](#)

Environmental Detection and Monitoring of SARS-CoV-2 for COVID-19 Risk Prediction. *The COVID-19 Pandemic: Science, Technology, and the Future of Healthcare Delivery*, 65-77. [Abstract >>](#)

Combining Short- and Long-Read Sequencing Technologies to Identify SARS-CoV-2 Variants in Wastewater. *Viruses*, 16:9, 1495. [Abstract >>](#)

Longitudinal wastewater-based surveillance of SARS-CoV-2 during 2023 in Ethiopia. *Frontiers in Public Health*, 12. [Abstract >>](#)

Detection and Quantification of SARS-CoV-2 and Influenza Viruses in Wastewater Treatment Plants Located in Ticino Region (Switzerland). *Preprints*, 2024100919. [Abstract >>](#)

Detection of SARS-CoV-2 variants related mutations in wastewater using RT-qPCR and variant-specific probes in Porto Alegre, Southern Brazil. *Journal of Water and Health*, in press. [Abstract >>](#)

Evaluating survey techniques in wastewater-based epidemiology for accurate COVID-19 incidence estimation. *Science of The Total Environment*, 954, 176702. [Abstract >>](#)

Factors affecting detection and estimation of SARS-CoV-2 RNA concentration of COVID-19 positive cases in wastewater influent: A systematic review. *Public Health*, 237, 167-175. [Abstract >>](#)

Interpretation of COVID-19 Epidemiological Trends in Mexico Through Wastewater Surveillance Using Simple Machine Learning Algorithms for Rapid Decision-Making. *Preprints*, 2024101297. [Abstract >>](#)

Integration of Whole-Genome Sequencing with ddPCR Kit for Detection of Omicron Subvariants in Wastewater in the Upper Peninsula of Michigan. *Applied Microbiology*, 4:4, 1453-1463. [Abstract >>](#)

Unveiling the silent information of wastewater-based epidemiology of SARS-CoV-2 at community and sanitary zone levels: experience in Córdoba City, Argentina. *Journal of Water and Health*, in press. [Abstract >>](#)

Molecular epidemiology of avian influenza viruses and avian coronaviruses in environmental samples from migratory bird inhabitants in Bangladesh. *Frontiers in Veterinary Science*, 11. [Abstract >>](#)

Data Science Replication of Covid-19 Wastewater Tracking. *Princeton University*. [Abstract >>](#)

Policy dimensions of global wastewater surveillance. *Bull World Health Organ*, 102:9, 622. [Abstract >>](#)

Wastewater surveillance to track influenza viruses. *Bull World Health Organ*, 102:9, 623. [Abstract >>](#)

Wastewater Surveillance of SARS-CoV-2 in Slovenia: Key Public Health Tool in Endemic Time of COVID-19. *Microorganisms*, 12:11, 2174. [Abstract >>](#)

A Review of Wastewater-Based Epidemiology for the SARS-CoV-2 Virus in Rural, Remote, and Resource-Constrained Settings Internationally: Insights for Implementation, Research, and Policy for First Nations in Canada. *International Journal of Environmental Research and Public Health*, 21:11, 1429. [Abstract >>](#)

Magnetic carbon bead-based concentration method for SARS-CoV-2 detection in wastewater. *Research Square*, 30 Oct, 2024. [Abstract >>](#)

The effects of RT-qPCR standards on reproducibility and comparability in monitoring SARS-CoV-2 levels in wastewater. *Scientific Reports*, 14:1, 25582. [Abstract >>](#)

Definition of a concentration and RNA extraction protocol for optimal whole genome sequencing of SARS-CoV-2 in wastewater (ANRS0160). *Science of The Total Environment*, 952, 175823. [Abstract >>](#)

## Autres pathogènes d'intérêt :

Multisite community-scale monitoring of respiratory and enteric viruses in the effluent of a nursing home and in the inlet of the local wastewater treatment plant. *Applied and Environmental Microbiology*, in press.

[Abstract >>](#)

Myélites aiguës flasques à entérovirus ; des poliovirus aux entérovirus D68 et A71 ; épidémies et circulation dans les eaux usées. *Bulletin de l'Académie Nationale de Médecine*, in press. [Abstract >>](#)

Wastewater Surveillance for Norovirus, California, USA. *Emerging Infectious Disease journal*, 30:11, 2438.

[Abstract >>](#)

Co-occurrence of adeno-associated virus 2 and human enteric adenovirus (group F) in wastewater after worldwide outbreaks of acute hepatitis of unknown etiology (AHUE). *Science of The Total Environment*, 955, 176806. [Abstract >>](#)

Virological Monitoring of Wastewater as an Element of Surveillance for Emergent and Re-Emergent Infections. *Mikrobiologichnyi Zhurnal*, 86:5, 102-116. [Abstract >>](#)

Tracking epidemic viruses in wastewaters. *Microbial Biotechnology*, 17:10, e70020. [Abstract >>](#)

Respiratory human adenovirus outbreak captured in wastewater surveillance. *Environmental Science: Water Research & Technology*, in press. [Abstract >>](#)

Wastewater Surveillance for Influenza A Virus and H5 Subtype Concurrent with the Highly Pathogenic Avian Influenza A (H5N1) Virus Outbreak in Cattle and Poultry and Associated Human Cases—United States, May 12–July 13, 2024. *MMWR. Morbidity and Mortality Weekly Report*, 73:37, 804-809. [Abstract >>](#)

Sequencing-Based Detection of Avian Influenza A (H5N1) Virus in Wastewater in Ten Cities. *New England Journal of Medicine*, 391:12, 1157-1159. [Abstract >>](#)

Wastewater monitoring of human and avian influenza A viruses in Northern Ireland: a genomic surveillance study. *The Lancet Microbe*, in press. [Abstract >>](#)

An Epidemiologic Surveillance Study Based on Wastewater and Respiratory Specimens Reveals Influenza A Virus Prevalence and Mutations in Taiyuan, China during 2023-2024. *Research Square*, 07 Oct, 2024.

[Abstract >>](#)

Wastewater-based intestinal protozoa monitoring in Shanghai, China. *Microbiology Spectrum*, in press.

[Abstract >>](#)

Strategy to develop and validate digital droplet PCR methods for global antimicrobial resistance wastewater surveillance. *Water Environment Research*, 96:11, e11145. [Abstract >>](#)

Use of passive samplers as sewage surveillance tool to monitor a hepatitis A outbreak at a school in Amsterdam, the Netherlands, Oct 2022 – March 2023. *BMC Infectious Diseases*, 24:1, 1044. [Abstract >>](#)

Wastewater Surveillance for Poliovirus in Selected Jurisdictions, United States, 2022–2023. *Emerging Infectious Disease journal*, 30:11, 2279. [Abstract >>](#)

First detection of Hepatitis E virus (Rocahepevirus ratti) in French urban wastewater: Potential implications for human contamination. *Science of The Total Environment*, 954, 176805. [Abstract >>](#)

Wastewater-Based Epidemiology of Influenza Viruses: a systematic review. *European Journal of Public Health*, 34:Supplement\_3, ckae144.2133. [Abstract >>](#)

