

## Lettre de Veille Scientifique n°4 26 avril 2023

### Dernières actualités

Scientists working on tracking COVID, dengue through sewage surveillance ([The Hindu, 22/03/23](#))

Analyse de risque liée aux variants émergents de SARS-CoV-2 MAJ au 22/03/2023 ([Santé Publique France, 22/03/23](#))

How Clinical Research is Helping People with Long COVID and Waste Water Surveillance Efforts ([PHCP Pros, 21/03/23](#))

Animaux, aliments et eaux : les coronavirus étudiés sous plusieurs angles ([Anses, 21/04/23](#))

Is monitoring the wastewater of planes the way to prepare for the next health crisis? ([CNA, 19/04/23](#))

COVID-19 Surveillance Strategies Prove Useful for RSV ([Pharmacy Times, 21/04/23](#))

Wastewater analysis indicates coronavirus wave in Switzerland ([swissinfo.ch, 22/04/23](#))

What's in the water? ([University of Louisville, 21/04/23](#))

Une étude révèle le temps de survie du SRAS-CoV-2 dans les eaux usées : implications pour la santé publique ([Ma clinique, 26/04/23](#))

## Autres pathogènes d'intérêt :

Wastewater more potent breeding ground for antibiotic resistance than previously known ([ScienceDaily, 03/04/23](#))

Case for Candida auris wastewater surveillance ([ScienceDaily, 06/04/23](#))

UArizona researchers to help track deadly fungus in Arizona wastewater ([University of Arizona, 11/04/23](#))

Inside the lab that looks for viruses in wastewater from US homes ([New Scientist, 26/03/23](#))

Chicago: Wastewater testing for polio begins, No cases identified in Chicago or Illinois ([Outbreak News Today, 17/03/23](#))

New Zealand: Poliovirus wastewater testing established ([Outbreak News Today, 23/04/23](#))

The Next Epidemic may be Detected Early in Wastewater ([QS Study, 04/23](#))

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The emergence of a virus variant: dynamics of a competition model with cross-immunity time-delay validated by wastewater surveillance data for COVID-19. *Journal of Mathematical Biology*, 86, 63. [Abstract >>](#)

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Wastewater Surveillance Can Function as an Early Warning System for COVID-19 in Low-Incidence Settings. *Trop. Med. Infect. Dis.* 2023, 8(4), 211. [Abstract >>](#)

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Wastewater-based surveillance of COVID-19 and removal of SARS-CoV-2 RNA across a major wastewater treatment plant in San Antonio, Texas. *Environmental Science: Advances*, in press. [Abstract >>](#)

Rapid genomic surveillance of SARS-CoV-2 in a dense urban community of Kathmandu Valley using sewage samples. *PLOS ONE* 18(3), e0283664. [Abstract >>](#)

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Longitudinal wastewater surveillance addressed public health priorities during the transition from "dynamic COVID-zero" to "opening up" in China: a population-based study. *medRxiv*, 2023.03.25.23287563. [Abstract >>](#)

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Monitoring Enteroviruses and SARS-CoV-2 in Wastewater Using the Polio Environmental Surveillance System in Japan. *Applied and Environmental Microbiology*, in press. [Abstract >>](#)

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Forecasting SARS-CoV-2 Virus Load in Sewage Using Autoregression Models for Time Series Data. *Utrecht University*, 71 p. [Abstract >>](#)

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Exploring Possible Strategies for Treating SARS-CoV-2 in Sewage Wastewater: A Review of Current Research and Future Directions. *Hygiene and Environmental Health Advances*, in press. [Abstract >>](#)

The Apparent Partitioning Behaviour of SARS-CoV-2 RNA in Municipal Wastewater. University of Waterloo, 78 p. [Abstract >>](#)

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Norovirus GII wastewater monitoring for epidemiological surveillance. *medRxiv*, 2023.04.10.23288357. [Abstract >>](#)