

## Lettre de Veille Scientifique n°2 14 février 2023

### Dernières actualités

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Analyse de risque liée aux variants émergents de SARS-CoV-2 MAJ au 11/01/2023 ([Santé Publique France, 11/01/23](#))

De nouvelles connaissances scientifiques sur le SARS-CoV-2 ([inneauvation, 04/01/23](#))

Coronavirus : les eaux usées du premier avion venant de Chine légèrement positives au covid ([rtbf, 07/01/23](#))

Coronavirus: inquiétude autour de l'émergence d'un nouveau variant ([L'Opinion, 05/01/23](#))

Virologe empfiehlt Covid-Frühwarnsystem für neue Varianten ([BR24, 15/01/23](#))

New universal JRC detection method for SARS-CoV-2 ([EU Science Hub, 11/01/23](#))

Coronavirus - L'analyse des eaux usées d'avions en provenance de Chine n'a rien révélé de préoccupant ([RTL Info, 31/01/23](#))

Monitoring Airport Wastewater Growing More Complicated, Says U of G Researcher ([University of Guelph, 23/01/23](#))

Wastewater-based epidemiology for COVID-19 monitoring and public health protection at three UK airports ([News Medical Life Sciences, 24/01/23](#))

Testing of plane wastewater showed 'failure' of COVID-era air travel measures ([Medical Press, 19/01/23](#))

New year, new variant? : Researchers keeping close eye on wastewater for Kraken ([The London free press, 13/01/23](#))

Wastewater-based Disease Surveillance for Public Health Action ([National Academies, 2023](#))

Expert Panel Urges US to Strengthen Wastewater Surveillance ([Medscape, 20/01/23](#))

Covid-19, bilan et perspectives de recherche : un colloque de restitution le 2 février 2023 ([Agence Nationale de la Recherche, 13/01/23](#))

Covid-19 : "J'aimerais qu'on puisse voir les vraies performances des chercheurs français" ([Sciences et Avenir, 23/01/23](#))

## Autres virus d'intérêt :

Pakistan: Wild poliovirus detected in an environmental sample in Lahore ([Outbreak News Today, 25/01/23](#))

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SARS-CoV-2 infection dynamics and genomic surveillance to detect variants in wastewater – a longitudinal study in Bengaluru, India. The Lancet Regional Health - Southeast Asia, in press. [Abstract >>](#)

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Simple Wastewater Preparation Protocol Applied to Monitor the Emergence of the Omicron 21L/BA.2 Variant by Genome Sequencing. Viruses 2023, 15(2), 268. [Abstract >>](#)

One-Stop Extraction and In Situ RT-qPCR for Ultrasensitive Detection of Highly Diluted SARS-CoV-2 in Large-Volume Samples from Aquatic Environments. Analytical Chemistry, in press. [Abstract >>](#)

Épidémiologie basée sur les eaux usées : actualité et futur d'une méthode épidémiologique alternative pour détecter et suivre les épidémies. Pré-publication, 12 p. [Abstract >>](#)

SARS-CoV-2 VARIANT PREVALENCE ESTIMATION USING WASTEWATER SAMPLES. medRxiv, 2023.01.13.23284507. [Abstract >>](#)

Direct wastewater extraction as a simple and effective method for SARS-CoV-2 surveillance and COVID-19 community-level monitoring. FEMS Microbes, in press. [Abstract >>](#)

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Dependency of sanitation infrastructure on the discharge of faecal coliform and SARS-CoV-2 viral RNA in wastewater from COVID and non-COVID hospitals in Dhaka, Bangladesh. *Science of The Total Environment*, 867, 161424. [Abstract >>](#)

Wastewater-based prediction of COVID-19 cases using a highly sensitive SARS-CoV-2 RNA detection method combined with mathematical modeling. *Environment International*, in press. [Abstract >>](#)

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Looking Forward: The Role of Academic Researchers in Building Sustainable Wastewater Surveillance Programs. *Environmental Health Perspectives*, 130 (12). [Abstract >>](#)

COVID-19 and Water Variables: Review and Scientometric Analysis. *Int. J. Environ. Res. Public Health* 2023, 20(2), 957. [Abstract >>](#)

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Wastewater and surface monitoring to detect COVID-19 in elementary school settings: The Safer at School Early Alert project. *medRxiv*, 2021.10.19.21265226. [Abstract >>](#)

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Use of Wastewater for Mpox Outbreak Surveillance in California. The New England Journal of Medicine, January 18, 2023. [Abstract >>](#)

## Poliovirus :

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## Influenza :

Identification and genome sequencing of an influenza H<sub>3</sub>N<sub>2</sub> variant in wastewater from elementary schools during a surge of influenza A cases in Las Vegas, Nevada. *Science of The Total Environment*, in press.

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