

Lettre de Veille Scientifique n°6 13 mai 2022

Dernières actualités

Omicron BA.2 is now the most common coronavirus variant found in Finnish wastewater (Finnish Institute for Health and Welfare, 12/04/22)

Pister la COVID-19 dans les eaux usées (ICI Québec, 11/04/22)

Suisse : Covid: plus de 100 stations d'épuration suivent de près le coronavirus (Le Nouvelliste, 03/05/22)

World Bank report on wastewater testing for SARS-CoV-2 (IWA, 29/04/22)

The hunt for Omicron in wastewater (IWA, 29/04/22)

Dernières références bibliographiques

Effect of Time and Temperature on SARS-CoV-2 in Municipal Wastewater Conveyance Systems. Water, 14(9), 1373. Abstract >>

Public Awareness of and Support for the Use of Wastewater for SARS-CoV-2 Monitoring: A Community Survey in Louisville, Kentucky. ACS EST Water, in press. <u>Abstract >></u>

SARS-CoV-2 testing of aircraft wastewater shows that mandatory tests and vaccination pass before boarding did not prevent massive importation of Omicron variant in Europe. medRxiv, 2022.04.19.22274028. Abstract >>

Development of passive samplers for the detection of SARS-CoV-2 in sewage and seawater: Application for the monitoring of sewage. Science of The Total Environment, 833, 155139. Abstract >>

Wastewater surveillance of SARS-CoV-2 mutational profiles at a university and its surrounding community reveals a 20G outbreak on campus. PLOS ONE 17(4), e0266407. Abstract >>

Detection of SARS-CoV-2 B.1.351 (Beta) Variant through Wastewater Surveillance before Case Detection in a Community, Oregon, USA. Emerging Infectious Diseases, 28 (6). <u>Abstract >></u>

A wastewater-based epidemic model for SARS-CoV-2 with application to three Canadian cities. Epidemics, 39, 100560. Abstract >>



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Passive sampling to scale wastewater surveillance of infectious disease: Lessons learned from COVID-19. Science of The Total Environment, in press. <u>Abstract >></u>

Use of wastewater surveillance for early detection of Alpha and Epsilon SARS-CoV-2 variants of concern and estimation of overall COVID-19 infection burden. Science of The Total Environment, in press. Abstract >>

Assessment of Commonly Measured Wastewater Parameters to Estimate Sewershed Populations for Use in Wastewater-Based Epidemiology: Insights into Population Dynamics in New York City during the COVID-19 Pandemic. ACS EST Water, in press. Abstract >>

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Regional replacement of SARS-CoV-2 variant BA.1 with BA.2 as observed through wastewater surveillance. medRxiv, 2022.04.22.22274160. Abstract >>

Quantifying the relationship between SARS-CoV-2 wastewater concentrations and building-level COVID-19 prevalence at an isolation residence using a passive sampling approach. medRxiv, 2022.04.07.22273534. Abstract >>

Ferrate (VI), Fenton Reaction and Its Modification: An Effective Method of Removing SARS-CoV-2 RNA from Hospital Wastewater. Pathogens, 11(4), 450. Abstract >>



Wastewater and marine bioindicators surveillance to anticipate COVID-19 prevalence and to explore SARS-CoV-2 diversity by next generation sequencing: One-year study. Science of The Total Environment, 833, 155140. Abstract >>

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Improved methods for the detection and quantification of SARS-CoV-2 RNA in wastewater. Scientific Reports, 12, 7201. Abstract >>



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Quantifying the relationship between sub-population wastewater samples and community-wide SARS-CoV-2 seroprevalence. medRxiv, 2022.04.28.22274086. <u>Abstract >></u>

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