



water

an Open Access Journal by MDPI



Wastewater-Based Epidemiology (WBE) Research

Guest Editors:

Dr. Peng Du

College of Water Sciences, Beijing
Normal University, Beijing, China

Dr. Phong K. Thai

Queensland Alliance for
Environmental Health Sciences,
University of Queensland,
Brisbane, Australia

Deadline for manuscript
submissions:

closed (25 May 2024)

Message from the Guest Editors

Wastewater-based epidemiology (WBE), through analysing relevant biomarkers in wastewater, can provide near-real-time information on the level of consumption or exposure of the population living in the target catchment boundaries to a range of chemicals and pathogens. The approach has been developed and applied for more than a decade, starting with the monitoring of illicit drug use around the world. WBE has been adopted by authorities as evidence or a tool for policy makers to formulate drug control strategies.

In recent years, particularly since 2020, WBE has been advancing to expand both in risk assessments of consumption, use, exposure, or release of chemicals and early warning of infectious disease spread and antibiotic resistance to the community level. There have been thousands of WBE studies on COVID-19 monitoring published in the last 2 years.

[...]

For further reading, please follow the link to the Special Issue Website at:

[https://www.mdpi.com/journal/water/special_issues/](https://www.mdpi.com/journal/water/special_issues/PGO6VM2S6K)

PGO6VM2S6K



[mdpi.com/si/133391](https://www.mdpi.com/si/133391)

Special Issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology
and Environment, Centre
National de la Recherche
Scientifique (CNRS), University of
Toulouse, Campus ENSAT,
Auzeville Tolosane, France

Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (*Water Science and Technology*)

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)