



water

an Open Access Journal by MDPI



## Wastewater-Based Epidemiology for Monitoring the Health Status and Practices of Populations: Recent Advances and Perspectives

Guest Editors:

**Dr. Jeremy Jacob**

Laboratoire des Sciences du Climat et de l'Environnement, UMR 8212, Université de Versailles Saint-Quentin, CEA-CNRS, 91191 Gif-sur-Yvette, France

**Prof. Dr. Régis Moilleron**

LEESU, Univ. Paris-Est Creteil, F-94010 Creteil, France

**Dr. Thomas Thiebault**

Ecole Pratique des Hautes Etudes (EPHE), PSL Research University, Paris, France

Deadline for manuscript submissions:

**closed (20 November 2023)**

### Message from the Guest Editors

Dear Colleagues,

Wastewater-based epidemiology (WBE) postulates that indicator concentrations in wastewater allow for the back-calculation of consumption, use or exposure to a wide variety of indicators. The proportionality between concentrations and uses, which is mandatory to talk about WBEs, presents constraints both in sampling and in understanding the stability or degradation pathways of the indicators used.

Recently, additional approaches were brought to WBE, through (1) the Covid-19 pandemic highlighting the potential of WBE for mining public health information based on biological and biomolecular approaches in wastewater, and (2) noticing that the spatial dynamics of certain markers in wastewater could be linked to socio-economic profiles and spatial inequalities. We invite papers in area of the global framework of WBE. The authors should also emphasize the potential of their work to alter WBE practices in the future. Both laboratory and field experimental works will be considered. For further information please visit our Special Issue [web page](#).

Dr. Jeremy Jacob

Prof. Dr. Régis Moilleron

Dr. Thomas Thiebault

*Guest Editors*



[mdpi.com/si/142464](https://mdpi.com/si/142464)

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, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/water](http://mdpi.com/journal/water)  
[water@mdpi.com](mailto:water@mdpi.com)  
[X@Water\\_MDPI](https://twitter.com/X@Water_MDPI)