



*water*

an Open Access Journal by MDPI



## Human, Animal, and Plant Infectious Microbes in Water: Risk Assessment, Monitoring, and Control

Guest Editors:

**Dr. Hamada A. Aboubakr**

Bioproducts and Biosystems Engineering, University of Minnesota Twin Cities, Minneapolis, MN, USA

**Prof. Dr. Reda Abou-Shanab**

Biotechnology Institute, College of Biological Sciences, University of Minnesota, Minneapolis, MN, USA

**Dr. Oadi Matny**

Department of Plant pathology, University of Minnesota, Minneapolis, MN, USA

Deadline for manuscript submissions:

**closed (15 March 2022)**

### Message from the Guest Editors

Pathogenic microbes can lead to serious infectious diseases that threaten the lives and survivability of their hosts. Many microbial infectious diseases transmit to and within their hosts, especially humans, animals, and plants through waters as effective transmission media since these hosts need water to maintain their lives. Water-associated human infectious pathogens have huge burdens on public health and world economies.

Therefore, authors are encouraged to submit their work that address the general scope of this special issue which include the following topics:

Emerging and re-emerging water-associated microbial infectious diseases;

Risk assessment and burdens of water-associated microbial infectious diseases;

Surveillance and epidemiology of water-associated microbial infectious diseases;

Monitoring etiological agents of water-associated infectious diseases using novel molecular techniques such as next generation sequencing and rapid nano-biosensors;

Novel approaches for recovery and detection of water-associated pathogens;

Impact of climate change on water-associated infectious diseases;

Global strategies for preventing and controlling water-associated infectious diseases.



[mdpi.com/si/71369](https://mdpi.com/si/71369)

**Special** issue



*water*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Dr. Jean-Luc PROBST**

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, 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/Water_MDPI)