

Special Issue

Public Health Implications of Microbiological Contamination in the Integrated Water Cycle

Message from the Guest Editors

The Issue is open to any subject area related to microbial water matrices relating to public health risk. This includes:

- Microbial spreading factors in the IWC, such as climate changes, microbial selective pressure and adaptive selection, sewage and livestock manure management, globalization implications (trade, tourism, etc.);
- New sampling and detection methods for human pathogens (bacteria, fungi, virus, parasites);
- Monitoring of water matrices quality, with particular reference to emerging human pathogens;
- Analysis of the relationship between water matrices microbial fingerprint (environmental microbioma) and human pathogens;
- Novel indicators of water contamination;
- Spreading of bacterial antibiotic resistance in the IWC;
- Health implications related to reclaimed water;
- Interventions to improve water quality, such as microbiological risk assessment, water safety plan application, guidelines, and regulation revisions.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2020)



International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



mdpi.com/si/31591

*International Journal of
Environmental Research and
Public Health*

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About the Journal

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

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