



Public Health Implications of Microbiological Contamination in the Integrated Water Cycle

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Deadline for manuscript submissions:

closed (30 September 2020)

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.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for 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, open access journal.

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