

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

Prof. Dr. Elisabetta Carraro

Department of Science of Public Health and Pediatrics, University of Turin, 10124 Torino, TO, Italy

Dr. Silvia Bonetta

Department of Life Sciences and Systems Biology, University of Turin, 10124 Torino, TO, Italy

Deadline for manuscript submissions

closed (30 September 2020)



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijerph@mdpi.com

[mdpi.com/journal/](https://mdpi.com/journal/ijerph)

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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

Prof. Dr. Paul B. Tchounwou
RCMI Center for Urban Health Disparities Research and Innovation,
Richard N. Dixon Research Center, Morgan State University, Baltimore,
MD 21251, USA

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