



Public Health Implications Relating to Microbiological Pollution of Water

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Message from the Guest Editor

The microbial pollution of water is often associated with outbreaks caused by pathogens as bacteria, protozoa parasites and viruses. The current microbial water quality standards are based mainly on research of indicators represented by fecal and human pathogens bacteria; nevertheless, in the context of public health protection, it is well known their lack of a consistent correlation with other enteric pathogens microorganisms, especially viruses. Alternative parameters were proposed and tested in different water types as somatic coliphages or directly pathogenic agents indicated as index to assess the risk. The use of these different biological target is important to better understand the real microbial risk associated to water pollution by innovative approach as Quantitative Microbial Risk Assessment (QMRA). This Special Issue focused on several aspects of water microbial pollution, including monitoring of emerging pathogens, new tools for microbial research, study of relationship between contamination and health and QMRA approach relating to water pollution to estimate the risk for people.





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Message from the Editor-in-Chief

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