Special Issue

Microbial Risk Assessment for Recreational Waters

Message from the Guest Editors

Microbial risk assessment (MRA) is a process used to identify, confirm and quantify hazardous outcomes caused by exposure to certain microbial factors, based on existing scientific data, as well as to describe risk characterization. MRA can also provide preventative management decisions for potential microbial safety events, with powerful integrated analytical capabilities, and has received increasing attention in the field of water environmental systems (particularly in water reuse for recreational water). Over the recent decades, as outbreaks of waterborne diseases continue to occur globally, the World Health Organization (WHO) has recommended a preventive, risk-based approach for water quality management, from the source to exposure, for the management of microbial hazards. This approach indicates that the MRA of water systems will become an indispensable development area, and will play an important role in water reuse and public health safety management.[...] For further reading, please follow the link to the SpecialIssue Website at:https://www.mdpi.com/journal/water/special_issues/microbial_risk_waters

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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.

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