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Microbial Risk Assessment for Recreational Waters

Guest Editors:

Dr. Shuhong Gao

State Key Laboratory of Urban Water Resource and Environment, School of Civil & Environmental Engineering, Harbin Institute of Technology (Shenzhen), Shenzhen 518055, China

Dr. Xu Zhou

State Key Laboratory of Urban Water Resource and Environment, School of Civil & Environmental Engineering, Harbin Institute of Technology (Shenzhen), Shenzhen 518055, China

Prof. Dr. Bin Liang

State Key Laboratory of Urban Water Resource and Environment, School of Civil and Environmental Engineering, Harbin Institute of Technology Shenzhen, Shenzhen 518055, China

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 Special Issue Website at:

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Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology
and Environment, Centre
National de la Recherche
Scientifique (CNRS), University of
Toulouse, Campus ENSAT,
Auzeville Tolosane, France

Message from the Editor-in-Chief

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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Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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