

Special Issue

Detection and Risk Management of Microbial Contaminants in Groundwater

Message from the Guest Editors

We are assembling a Special Issue focussing on the Detection and Risk Management of Microbial Contaminants in Groundwater. Groundwater represents the world's most extracted raw material (≈ 982 km³/annum) and supplies approximately 31.5% (2.2 billion people) of the global population with domestic drinking water. Research has shown that microbiological contamination is an area of key concern, with groundwater supplies responsible for a number of reported waterborne disease outbreaks globally. Given the relative importance of groundwater as both drinking water and process water supply, there is an urgent need to increase our understanding of the detection of microbial contaminants to drive risk-based management tools to safeguard both the environment and public health. This proposed Special Issue aims to elucidate key risk factors for microbial contamination of groundwater and consolidate evidence-based information for risk management. The Special Issue is open to recent research papers, reviews, and short communications, as well as perspectives on any subject area related to the microbiological quality of groundwater, as well as risk management strategies.

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

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