



Global Perspective on Risk Assessment of Aquifer Contamination, Identification of Vulnerable Zones, and Implementation of Management Tactics

Guest Editors:

**Dr. Gnanachandrasamy
Gopalakrishnan**

Dr. Venkatramanan Senapathi

Dr. Yong Xiao

Prof. Dr. Sang Yong Chung

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Message from the Guest Editors

Due to population growth, urbanization, and industrialization, the demand for fresh water is increasing worldwide. Fresh water is a necessity for every human being. This is why water quality is so important, because it directly affects human health and aquatic life. The ionic behavior of water, the accumulation of metals, and the presence of pathogens determine its quality for drinking, irrigation, and domestic use. Water quality has also been affected recently by climate change and the overuse of groundwater. Natural factors and anthropogenic activities affect the ionic behavior and concentration of toxic metals in groundwater. The world faces serious difficulties due to water scarcity and limited water resources if current trends continue. Globally, several billion people are affected by water scarcity at least one month a year, with increasing numbers of people living in countries with significant water stress.





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Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, 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, Grosspeteranlage 5
4052 Basel, Switzerland

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