



water



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Water Quality: The Risks of Metal Contaminants to Human Health

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Message from the Guest Editors

Dear Colleagues,

Among all the pollutants widely released in aquatic environments, trace metals can reach and accumulate in the aquatic or terrestrial food chain when contaminated waters are used for irrigation. Their distribution, mobility, bioavailability, and toxicity are strongly related to their speciation in waters and sediments. Recent developments in isotopic geochemistry have allowed the scientific community to discriminate, in some case studies, natural from anthropogenic sources of metals that can help to reduce human exposure. The current Special Issue of Water focuses on the links between drinking and/or surface and groundwater quality, major and trace metallic elements, contaminant sources, and the health risks associated to the human exposure. This Special Issue will cover recent water studies led in Northern and Southern countries, including new issues related with surface water exposure assessment and environmental and health risks. Papers dealing with surface, groundwater or drinking water standards, policies, and sustainable management are also welcome in this Special Issue. Original research papers, reviews, and technical notes are also invited. Submission of transdisciplinary research, including socioeconomic perspectives, and review papers within the broad theme of water quality are particularly encouraged.

Dr. Laurence Maurice

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Guest Editors



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Special Issue



Editor-in-Chief

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Message from the Editor-in-Chief

The relevance of water in human development and sustaining life, fuels general and scholarly interest in the world's water resources. A better understanding of all aspects of water and its relation to food supply, energy production, human health, and the functioning of ecosystems is key in managing this precious resource in a sustainable, efficient and equitable manner. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications. We ensure a critical review process and a quick turnaround between submission and final decision.

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