Special Issue

Escherichia coli: Indicator of Water Quality and Human Health Risk

Message from the Guest Editors

Indicator organisms have often been used as surrogates for the human health risk associated with contamination in water and wastewater. *E. coli*, more specifically, has been broadly used, especially in environmental water science. This Special Issue will cover *Escherichia coli* as an indicator of water quality and human health risk, where risk can include the presence of human pathogens in water, as well as antibiotic-resistance genes carried by E. coli that could be transferred to human pathogens. Topics will include evaluations of indicator-pathogen relationships in water and wastewater, quantitative microbial risk analyses of pathogenic strains of *E. coli* that may contribute to human health risks, studies that detect *E. coli* in settings that may impact communities downstream, and documented methods for minimizing introduction of E. coli from terrestrial sources into surface waters. Studies that evaluate water and wastewater from multiple sites or that compare concentrations of indicator and pathogens in a variety of samples are encouraged

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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

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