



Sustainable Water Quality Management in the Changing Environment

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Message from the Guest Editor

Dear Colleagues,

This Special Issue will cover a wide spectrum of topics related to water quality, including:

Understanding eutrophication and harmful algal blooms in waterways;

Quantifying the potential impacts of climate and land use change on hydrology and water quality;

Applying the variable source area hydrology concept to improve water quality;

Investigating the role of climate and watershed characteristics to better understand water quality and stream integrity;

Examining the potential of best management practices to ameliorate water quality deterioration due to climate change and anthropogenic activities;

The fate and transport of bacteria (coli and fecal coliforms) in agricultural and urban environments;

Quantifying the potential impacts of climate extremes (e.g., drought and flooding) on water quality in river basins.

Key Words

harmful algal blooms

eutrophication

climate change

variable source area hydrology

best management practices

stream integrity

non-point source pollution

drought



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Message from the Editor-in-Chief

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