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Removal and Inactivation of Waterborne Pathogens during Water Treatment Processes

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Deadline for manuscript submissions:
closed (31 March 2021)

Message from the Guest Editors

This special issue can provide current state-of-the-art research on microbial treatment technologies, insights on clean and safe water production for public health, and future research directions on better treatability of waterborne pathogens.

Reflecting the removal and inactivation efficacy of microorganisms in water, this Special Issue will welcome contributions in areas including, but not limited to: Microbial removal and disinfection in drinking water, wastewater, and reclaimed water; alternative treatment processes and current trends in advanced water treatment including advanced oxidation, UV-LEDs, Cu-Ag ionization, ferrate, etc.; water treatment processes used in centralized utilities, point-of-use devices and secondary water treatment for premise plumbing water systems; sustainable energy saving treatment and economical strategies specifically applicable in developing countries; and quantitative microbial risk assessment.

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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.

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