Special Issue

Pathogen Removal From Water: Technologies, Techniques and Inactivation (Disinfection) Processes

Message from the Guest Editor

Water availability as well as water quality for human consumption is expected to worsen within the global warming scenario together with the global population increase making it necessary to look for non-conventional water resources to increase water availability as well as water re-use. This Special Issue aims to comprehensively explore the performance of novel water treatments, from treatments aimed at physical removal of pathogens such as filtration-based techniques, to disinfection processes, such as advanced oxidation processes or biological-based treatments, to reduce the presence of pathogenic microorganisms. It will also cover novel techniques to identify microorganism viability for use in risk assessment. This issue invites both research articles and reviews that contribute to advancing knowledge in these areas. Case studies demonstrating successful implementations, challenges encountered, and the socioeconomic implications of adopting these technologies will also considered.

Guest Editor

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Deadline for manuscript submissions

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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

Dr. Jean-Luc PROBST
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