Special Issue

Water Disinfection: Safe Water for All

Message from the Guest Editor

In developing countries, diarrhea caused by ingesting contaminated water continues to be a cause of important mortality in children. Although there are many methods capable of disinfecting water, both physical and chemical, the most commonly used are UV radiation, ozone and chlorine. Although the first two may be preferable to chlorine because they do not add flavor to water, and the formation of chlorinated products is negligible, their lower efficiency and higher economic cost reduce their applicability. Chlorine, in its different chemical forms, has many advantages, namely low economic cost, efficiency, and above all the permanence of a residual chlorine that helps to prevent future reinfections. However, the production of carcinogenic compounds such as trihalomethanes has generated distrust and concern. Therefore, it is essential to develop disinfection methods that are efficient, economical and easily applicable, that allow access to safe drinking water and the treatment of wastewater with sufficient health guarantees.

Guest Editor

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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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