



water

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Water Disinfection: Safe Water for All

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. José Alberto Herrera-Melián
Guest Editor



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Message from the Editor-in-Chief

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