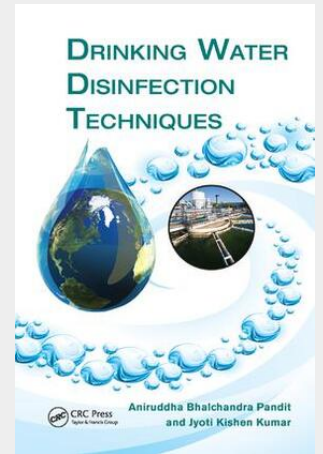


## Drinking Water Disinfection Techniques

Water is our natural heritage, our miracle of life. However, our increasingly technological society has become indifferent to water. Far from being pure, modern drinking water around the world contains many undesirable chemical and bacterial contaminants. The existing techniques employed for the disinfection of water are either energy-intensive or have by-products harmful to human health. Drinking Water Disinfection Techniques reviews these processes and explores novel technologies for water disinfection synergistic with existing techniques. The book covers a wide audience and gives a comprehensive review of various physical, chemical, and hybrid techniques commonly used for the disinfection of water as well as newer emerging technologies in terms of their mode of action, scale of operation, efficacy, merits, and demerits. It broadly addresses the issues related to water disinfection in three sections: - Disinfection techniques—chemical, physical, and hybrid (combination)—and their likely scale of operation efficacy - Disinfection by-product as a function of water source and the type of treatment - Emerging and novel techniques, including new work on cavitation, an economical, energy-efficient, and simple alternative to the conventional methods of disinfection. Drinking Water Disinfection Techniques effectively combines the chemical, physical, biological, and engineering principles of water disinfection in one text. Discussing both conventional and novel techniques used for disinfection and the economics involved, the book gives a comprehensive review of various physical, chemical, and hybrid techniques used for disinfection to create potable water.



**104,50 €**  
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