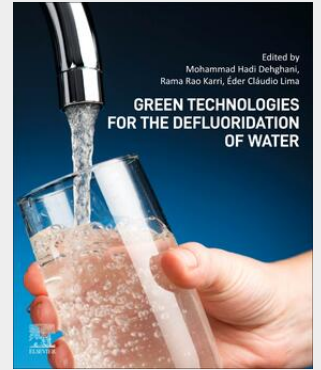


Green Technologies for the Defluoridation of Water

Green Technologies for the Defluoridation of Water focuses on the application of green technologies for the defluoridation of water using adsorption processes and nanoadsorbents. Chapters cover the environmental and health effects of fluoride presence in ambient air, food, water, soil and vegetation, focus on approaches for analytical methods to determine the presence of fluoride in water, review various types of conventional and advanced techniques used for removal, focus on adsorption as a green technology, review various types of adsorbents, and emphasize a techno-economic assessment with respect to conventional and non-conventional technologies. This book provides readers with comprehensive methods and applications, while also presenting the global impacts of fluoride ion on the environment, including in drinking water, food, air, soil and vegetables. The authors compare different defluoridation technologies in detail, providing researchers in environmental science and nanotechnology fields with the information they need to create solutions on how to safely remove fluoride from water in a sustainable and cost-effective way.



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