

Microbiological Aspects of Biofilms and Drinking Water (Microbiology of Extreme and Unusual Environments)

By Steven Lane Percival, James Taggari Walker, Paul R. Hunter



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The development of biofilms and their role in public health - particularly drinking water - is often overlooked. Ideal for anyone interested in water related issues, Microbiological Aspects of Biofilms and Drinking Water presents an overview of the public health effects associated with drinking water. It highlights the microbiological aspects relating to the development of biofilms.

The first four chapters focus on the state of the water supply. The authors review methods for studying the epidemiological spread of waterborne infections and those used in surveillance and control of pathogenic microbes. He includes the methods used for the detection of pathogens of public health importance in drinking water.

In the subsequent chapters the authors pay close attention to biofilm development within drinking water systems, underlining the public health threat. They cover the microbes important to public health and include the methods used to detect biofilms. In conclusion they review the methods involved in biofilm control - both conventional and biocidal treatments.

Overall, Microbiological Aspects of Biofilms and Drinking Water provides a snapshot of public health and the water supply. It covers the future of drinking water and its associated health hazards and provides a deeper understanding of biofilms and how they provide a safe haven for pathogens and water related diseases.



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Review

"This book by three leading UK workers in this field is by far the best I have seen on the subject strongly recommended to anybody working in the fields of potable water is essential reading and a highly desirable text book." --Mike Hurst, Watermark

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