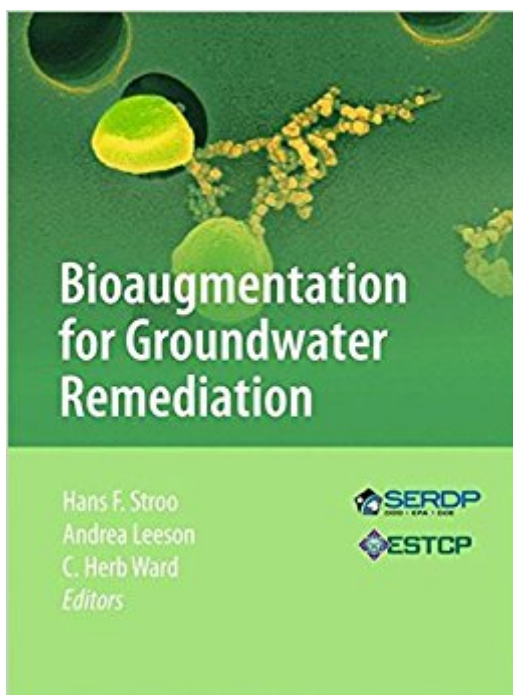


The book was found

# Bioaugmentation For Groundwater Remediation (SERDP ESTCP Environmental Remediation Technology)



## Synopsis

— This volume provides a review of the past 10 to 15 years of intensive research, development and demonstrations that have been on the forefront of developing bioaugmentation into a viable remedial technology. — This volume provides both a primer on the basic microbial processes involved in bioaugmentation, as well as a thorough summary of the methodology for implementing the technology. — This reference volume will serve as a valuable resource for environmental remediation professionals who seek to understand, evaluate, and implement bioaugmentation.

## Book Information

Series: SERDP ESTCP Environmental Remediation Technology (Book 5)

Hardcover: 392 pages

Publisher: Springer; 2013 edition (October 4, 2012)

Language: English

ISBN-10: 1461441145

ISBN-13: 978-1461441144

Product Dimensions: 10.3 x 7.5 x 0.9 inches

Shipping Weight: 2.5 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,665,167 in Books (See Top 100 in Books) #92 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Groundwater & Flood Control #448 in Books > Science & Math > Nature & Ecology > Water Supply & Land Use #484 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Pollution

## Customer Reviews

This volume reviews the past 10 to 15 years of intensive research and development that have led to bioaugmentation becoming an accepted technology. It includes background information on the basic microbial processes involved, as well as a thorough summary of the most important bioaugmentation strategies. It will serve as a valuable resource for environmental remediation professionals who seek to understand, evaluate and implement bioaugmentation. Topics include: A brief history and overview of bioaugmentation. A detailed review of the discovery of *Dehalococcoides* and the development of reductive dechlorination of chlorinated solvents as a remedial technology. The state-of-the-science for the production and handling of *Dehalococcoides*

bioaugmentation cultures. A practical guide for deciding whether to bioaugment with *Dehalococcoides*. Design considerations for implementing bioaugmentation. A summary of the monitoring options during bioaugmentation with *Dehalococcoides*. Reviews of other bioaugmentation techniques, including aerobic cometabolism of chlorinated solvents, and treatment of carbon tetrachloride and methyl tert butyl ether. An analysis of the costs for bioaugmentation of chlorinated aliphatic compounds in groundwater. An assessment of and the uncertainties and opportunities for future bioaugmentation research and development. Each chapter in this volume has been thoroughly reviewed for technical content by two or more experts in each subject area covered. This volume will provide a useful reference for both practitioners and researchers involved in groundwater remediation.

[Download to continue reading...](#)

Bioaugmentation for Groundwater Remediation (SERDP ESTCP Environmental Remediation Technology) In Situ Chemical Oxidation for Groundwater Remediation (SERDP ESTCP Environmental Remediation Technology) Environmental Engineering: Water, Wastewater, Soil and Groundwater Treatment and Remediation (v. 1) Practical Techniques for Groundwater and Soil Remediation (Geraghty & Miller Environmental Science and Engineering) Practical Design Calculations for Groundwater and Soil Remediation, Second Edition Sequenced Reactive Barriers for Groundwater Remediation (AATDF Monograph Series) Practical Design Calculations for Groundwater and Soil Remediation Handbook of Complex Environmental Remediation Problems Environmental Consulting Fundamentals: Investigation and Remediation Canine Olfaction Science and Law: Advances in Forensic Science, Medicine, Conservation, and Environmental Remediation Environmental Engineering and Sanitation (Environmental Science and Technology: A Wiley-Interscience Series of Texts and Monographs) Blockchain: Step By Step Guide To Understanding The Blockchain Revolution And The Technology Behind It (Information Technology, Blockchain For Beginners, Bitcoin, Blockchain Technology) Fintech: Simple and Easy Guide to Financial Technology (Fin Tech, Fintech Bitcoin, financial technology fintech, Fintech Innovation, Fintech Gold, ... technology, equity crowdfunding) (Volume 1) FINTECH: Simple and Easy Guide to Financial Technology (Fin Tech, Fintech Bitcoin, financial technology fintech, Fintech Innovation, Fintech Gold, Financial services technology, equity crowdfunding) Car Country: An Environmental History (Weyerhaeuser Environmental Books) Toward Sustainable Communities: Transition and Transformations in Environmental Policy (American and Comparative Environmental Policy) Garbage and Recycling: Environmental Facts and Experiments (Young Discoverers: Environmental Facts and Experiments) The Nature of Gold: An Environmental History of the Klondike Gold Rush

(Weyerhaeuser Environmental Books) Introduction to Environmental Engineering (McGraw-Hill Series in Civil and Environmental Engineering) Living with the Earth, Third Edition: Concepts in Environmental Health Science (Living with the Earth: Concepts in Environmental Health Science)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)