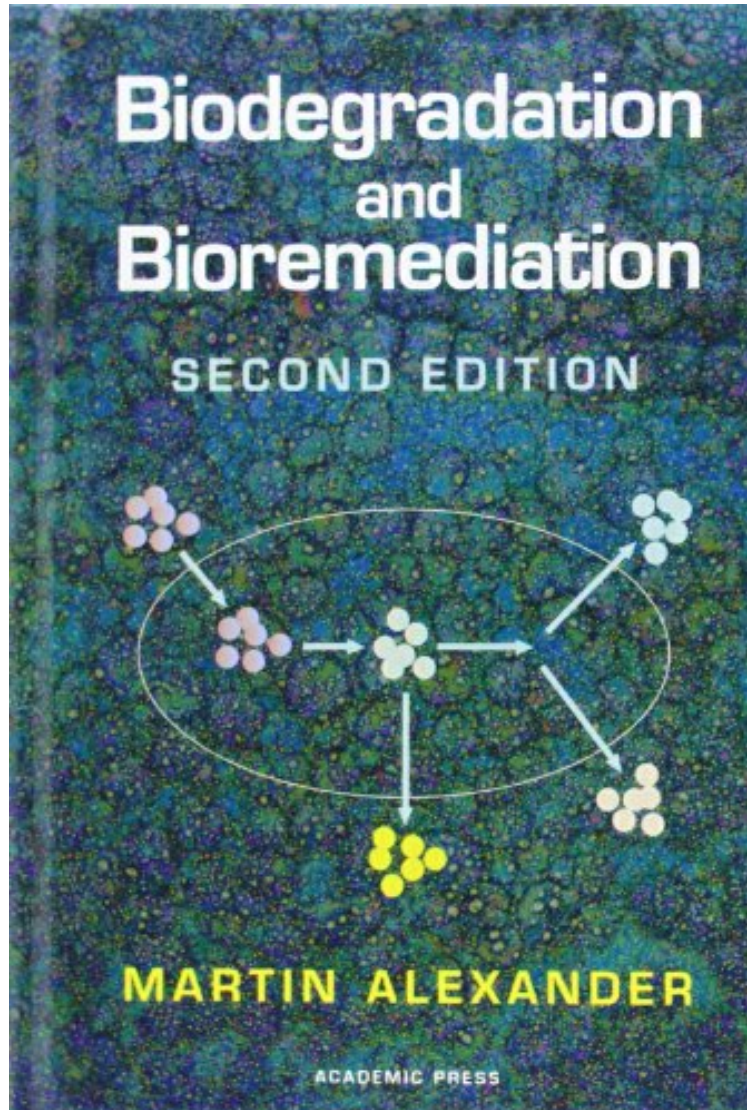


[Read free] Biodegradation and Bioremediation, Second Edition

Biodegradation and Bioremediation, Second Edition

Martin Alexander

*ePub | *DOC | audiobook | ebooks | Download PDF*



DOWNLOAD



+

READ ONLINE

#2501666 in Books 1999-04-06 Ingredients: Example Ingredients Original language: English PDF # 1 9.21 x 1.00 x 6.14l, 1.63 #File Name: 0120498618453 pages | File size: 73.Mb

Martin Alexander : Biodegradation and Bioremediation, Second Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Biodegradation and Bioremediation, Second Edition:

0 of 0 people found the following review helpful. Very good review on bioremediation By Eutimo There is few books on the field of bioremediation. This is a very good approach on the use of microorganism consortia on bioremediation. Alexander reviewed thousands of works. In this book, He organized and clearly exposed the differents parameters, aspects, advantages and prospectives of bioremediation. 0 of 0 people found the following review helpful. A complex topic well explained, nicely written By Pmac This is an excellent overview of the essential things any engineer, scientist

or technologist would need to get a good initial grasp on the field of biodegradation. It's not overly complicated and deals more with theory than calculations. It came out in a second edition in 1999 so it should be updated with more on anaerobic biodegradation and phytoremediation. Overall though it's a great text that could easily be adopted for an intro level course on the topic. Microbiologists and environmental engineers would benefit from having this book.

Biodegradation has been the subject of active concern for the past 40 years. Recently, the field has expanded to encompass a wide variety of chemicals, a broad array of issues, and the development of the new bioremediation industry. This book presents the basic principles of biodegradation and shows how these principles relate to bioremediation. Authored by a world-renowned environmental microbiologist, *Biodegradation and Bioremediation* presents microbiological, chemical, toxicological, environmental, engineering, and technological aspects of the subject. Praise for the First Edition "Serves an important function in presenting a complete picture of biodegradation in the environment. I[t] provides biologists, chemists and engineers interested in this process with information complementary to their own fields and thus belongs on the shelf of everybody active in the study of biodegradation and bioremediation." --JOURNAL OF CONTAMINANT HYDROLOGY "A compendious account of the field in a form accessible to microbiologists, chemists, toxicologists and environmental scientists and engineers. His book succeeds admirably...Well indexed, its diagrams large and clear....It will serve as an excellent text for advanced undergraduate and postgraduate courses and as an invaluable source of reference to all those with a research interest in this expanding field." --SOCIETY FOR GENERAL MICROBIOLOGY QUARTERLY "The book could serve as a text for an upper-level or graduate class in the principles of biodegradation and bioremediation for microbiologists and environmental engineers. In summary, Alexander has prepared a cogent and well-organized review of the principles of biodegradation in a book that should prove useful to a great many people." --JOURNAL OF ENVIRONMENTAL QUALITY "Provides a unity of style, and generally, an excellent intellectual flow between topics....Alexander does a spectacular job of addressing the kinetics of degradation reactions--the discussion is one of the best I have seen, especially for those not well versed in mathematics." --BIOSCIENCE "Written by a very knowledgeable scientist...A very timely book...Recommended as a valuable resource for environmental scientists, engineers, or other persons with an interest in the use of organisms for environmental decontamination and a need for better insight into the principles underlying bioremediation." --SOIL SCIENCE

Praise for the First Edition: "Serves an important function in presenting a complete picture of biodegradation in the environment. It belongs on the shelf of everybody active in the study of biodegradation and bioremediation." -- JOURNAL OF CONTAMINANT HYDROLOGY "A compendious account of the field in a form accessible to microbiologists, chemists, toxicologists and environmental scientists and engineers. His book succeeds admirably... Well indexed, its diagrams large and clear... It will serve as an excellent text and as an invaluable source of reference." --SOCIETY FOR GENERAL MICROBIOLOGY QUARTERLY "A cogent and well-organized review of the principles of biodegradation in a book that should prove useful to a great many people." --JOURNAL OF ENVIRONMENTAL QUALITY "A spectacular job of addressing the kinetics of degradation reactions." -- BIOSCIENCE "A very timely book... Recommended as a valuable resource." --SOIL SCIENCE "New chapters in this edition give a broader scope to existing information on such topics as predicting the products of biodegradation, bioremediation of metals and other inorganic pollutants, and the formation and biodegradation of air pollutants." -- CIVIL ENGINEERING (July 1999) "Alexander has produced a readable account that provides an entry point for a diverse range of specialists in many fields." --L.C. Davis in CHOICE (October 1999) "Martin Alexander has done a superb job of compiling the most recent fundamental and technological aspects of biodegradation and bioremediation of contaminants in a single volume." -Marc A. Deshusses, University of California, Riverside, California in THE QUARTERLY REVIEW OF BIOLOGY (March 2001) About the Author Martin Alexander, Cornell University, Ithaca, New York, U.S.A.