

Synopsis

Written by noted experts in the field sharing extensive academic and industrial experience, this thoroughly updated Second Edition covers commonly used and new suspended and attached growth reactors. The authors discuss combined carbon and ammonia oxidation, activated sludge, biological nutrient removal, aerobic digestion, anaerobic processes, lagoons, trickling filters, rotating biological contactors, fluidized beds, and biologically aerated filters. They integrate the principles of biochemical processes with applications in the real world-communicating approaches to the conception, design, operation, and optimization of biochemical unit operations in a comprehensive yet lucid manner.

Book Information

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Customer Reviews

Unanimous Praise for the Previous Edition provides in-depth coverage to subject matter often omitted or given minimal treatment in wastewater treatment texts of broader scope; [The authors] have provided a valuable addition to the reference literature on biological treatment systems. Its value lies in the presentation of some innovative concepts in biological process design, and in the thoroughness of coverage given to the subject matter; a worthwhile addition to an environmental engineer's reference library. -Water Pollution Control Federation Journal; Text material brings together the science and principles of wastewater treatment. The theory and application of the art are extremely well presented in clear and crisp language without compromising

scholarly values….The book should be looked upon as an excellent reference source that is well documented and put together in sufficient detail to accomplish this purpose.-Food TechnologyExtensive and excellent coverage of the principles and design of biochemical unit operations used in wastewater treatment….This well-prepared book can be used as a self-study resource, reference work, or textbook for wastewater engineers or students, and would be an excellent acquisition for an academic library.-Choice Engineering…a monumental effort that covers much more material than could comfortably be taught in one semester. Unlike some other books, however, in this case we should not worry about having our students buy a…book, only a part of which will be used in the course. This book will be of value to our students long after they graduate and the book will assume an honored space in their professional bookshelves. -AEESP [Association of Environment Engineering and Science Professors] NewsletterPromo Copy

I have been using Metcalf and Eddy for a long time until I came across this book. I love this book. It uses symbols that matches ASM models and explain the material very smoothly and easy to understand. Overall, I like this book better than Metcalf.If you are an environmental engineer, you should have this book in your bookshelf.

ok

Very thorough book. Great examples. It's a lot of info to take in but this book lays things out very well.

Good

this book is helpful for those who work at these facilities as well as those who do not work in these facilities...it helps to explain this work.

A very well organized and written text-book. The theory and examples are properly selected for readers including graduate students, academics and practitioners. Certainly recommended...

This is a very good technology review book in bioprocess for waste water treatment.

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