

[Download free ebook] Bacteria in Biology, Biotechnology and Medicine

# Bacteria in Biology, Biotechnology and Medicine

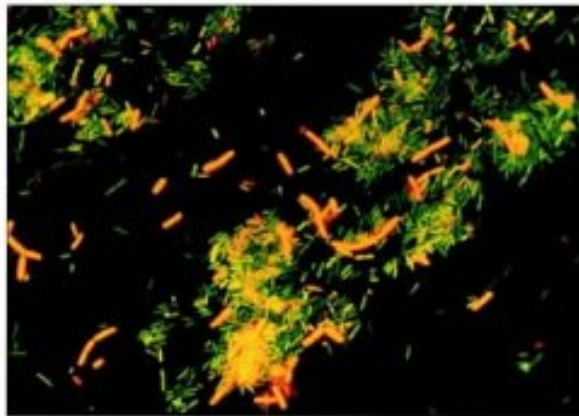
*Paul Singleton*

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

## BACTERIA

*in Biology, Biotechnology and Medicine*

5th Edition



Paul Singleton



DOWNLOAD



+

READ ONLINE

#7358982 in Books 1999-08-11 Original language: English PDF # 1 9.09 x 1.04 x 5.94l, 1.83 #File Name: 0471988804500 pages | File size: 74.Mb

**Paul Singleton : Bacteria in Biology, Biotechnology and Medicine** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Bacteria in Biology, Biotechnology and Medicine:

The 5th edition of this very popular introductory textbook covers the key areas of bacteriology, including morphology, multiplication, metabolism, genetics, bacteriophages, classification, and the basic practical procedures used by

bacteriologists. Incorporating the many recent advances in all aspects of bacteriology which have arisen since the 4th edition was published, it keeps readers up-to-date with current progress. \* Features increased coverage of the basic biology of the bacteria cell; RNA (its different forms and functions); recombinant DNA techniques; and adhesins \* Presents a wealth of new material including sections on transposon mutagenesis, bioremediation; VNC (viable but non-cultivable) bacteria; flocculation in the activated sludge process; and chlorohexidine (antiseptic)

"...a very recommendable book..." -- Intl Journal of Medical Microbiology, Vol 290/4, 2000 "The ample merits of the fifth edition of Bacteria should ensure its place on the bookshelves of university libraries and on the desks of students of microbiology and biotechnology." -- Biochemistry Molecular Biology Education, Vol 28, 2000

**Publisher**The new edition incorporates the many recent advances in all aspects of microbiology which have arisen since the last edition. The latest developments in basic biology (physiology, biochemistry, cell biology and genetics), new methods (molecular biology and staining techniques) and additional applications have been incorporated. Hot new topics include quorum sensing, PCR-related techniques and conjugate vaccines.

**From the Back Cover**Bacteria in Biology, Biotechnology and Medicine Paul Singleton Bacteria covers general bacterial physiology and many related topics in medicine, biotechnology, food science and environmental science. The book starts with 'core' aspects, i.e. structure, growth, differentiation, metabolism and molecular biology / genetics; applied aspects follow: recombinant DNA technology (genetic engineering), medicine, food, biomining, water and wastewater treatment etc. Also covered are disinfection, sterilization, antibiotics, culture, microscopy, staining and molecular taxonomy. The Appendix contains minidescriptions of over 70 genera of bacteria. The text includes many up-to-date references to papers and reviews. Extensive cross-referencing, over 100 clear line drawings, and a 30-page index ensure maximum accessibility of information.

**of Previous Editions** '..... a useful survey of the subject for students contemplating specialization.' Nature 'Singleton assumes the reader has no prior knowledge of DNA and gene expression, and does an extraordinary job of explaining things from scratch.' Quarterly of Biology 'recommended to undergraduates and those seeking clear explanations of basic concepts of bacteriology.' Journal of Medical Microbiology

**Also from Wiley Dictionary of Microbiology and Molecular Biology 2nd Edition** Paul Singleton and Diana Sainsbury Over 1000 pages of definitions and articles on all aspects of microbiology and associated molecular biology. The dictionary includes terms, tests and techniques; details of over 5000 genera; a 30-page appendix of microbial metabolic pathways; and over 3000 references to papers, reviews and specialized books in all areas of the subject. A companion through college or university; a book with a lifetime's use. ISBN 0-471-94052-6 (pbk)