



Bacteriophage: Molecular Biology and Applications, Elizabeth Kutter, Alexander Sulakvelidze, Taylor & Francis Group, 2005, 0849313368, 9780849313363, 510 pages. Since the introduction of antibiotics, Western medicine has paid little attention to bacteriophages for dealing with bacterial infection. In response to the emergence of pathogenic bacteria that cannot be treated with current antibiotics, many researchers are revisiting the use of bacteriophages, or phages, to fight multidrug-resistant bacteria, as they can effectively kill bacteria resistant to all currently available antibiotics, and are more specific, more adaptive, and less expensive to produce than antibiotics. 'Bacteriophages - Biology and Applications' provides unparalleled, comprehensive information on bacteriophages and their applications, such as phage therapy. It explores the history, biology, ecology, genomics, and applications of phages, and provides an overview of phage literature from research techniques and basic molecular biology to applications in agriculture, human therapy, and biotechnology. Chapters include the role of phages in bacterial evolution, the molecular mechanisms of phages' interactions with bacteria, the control of bacteriophages in industrial fermentations, and bacteriophage therapy in animals and humans. A detailed appendix includes the techniques, media, and methodology involved in isolating and working with phages. Filled with many helpful photographs, line drawings, and electron micrographs of phages, this is an ideal reference for scientists and researchers from a wide variety of disciplines..

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The Biology of Vibrios , Fabiano Lopes Thompson, Brian Austin, J. G. Swings, American Society for Microbiology, 2006, Science, 423 pages. provides comprehensive and authoritative coverage of vibrio research compiled by experts; presents new guidelines and paradigms for the different branches of vibrio research

An Introduction to Genetic Engineering , Desmond S. T. Nicholl, Feb 7, 2002, Science, 292 pages. Concise, clear, affordable textbook for undergraduate biotechnology, genetics, molecular biology and biochemistry courses..

Bacteriophages Methods and Protocols, Volume 1: Isolation, Characterization, and Interactions, Martha R. J. Clokie, 2009, Science, 307 pages. Ranging from the evolution of pathogenicity to oceanic carbon cycling, the many and varied roles that bacteriophages play in microbial ecology and evolution have inspired

The Antibiotic Paradox How the Misuse of Antibiotics Destroys Their Curative Powers, Stuart B. Levy, 2002, Family & Relationships, 353 pages. Briefly looks at the history of antibiotics, argues that their misuse has led to the evolution of drug-resistant bacteria, and discusses the ecological impact. Reprint. 12,000

Bacteriophages , Mark Hancock Adams, 1959, Science, 592 pages. .

Bacteriophages, Part 2 , Malgorzata Lobočka, Waclaw T. Szybalski, 2012, Science, 477 pages. Published since 1953, Advances in Virus Research covers a diverse range of in-depth reviews

providing a valuable overview of the current field of virology. The impact factor

Phage , Sewell P. Champe, 1974, Science, 423 pages. .

Bacteriophages in Health and Disease , Paul Hyman, Stephen T. Abedon, 2012, Medical, 280 pages. Bacteriophages are viruses that infect bacteria; as such, they have many potential uses for promoting health and combating disease. This book covers the many facets of phage

Bacteriophages , John Douglas, 1975, Science, 136 pages. .

Lateral DNA Transfer Mechanisms and Consequences, Frederic Bushman, 2002, Science, 448 pages. This book is about mobile genes and the transfer of DNA between unrelated cells. It discusses the machinery of gene transfer and its wide-ranging biological and health

Phages Their Role in Bacterial Pathogenesis and Biotechnology, Matthew K. Waldor, David I. Friedman, Sankar Lal Adhya, 2005, Medical, 450 pages. provides comprehensive and accessible information in following areas: phage-bacteria interactions including: lysogeny, lysogenic conversion, and phage directed host cell lysis

Bacteriophages and Biofilms Ecology, Phage Therapy, Plaques, Stephen T. Abedon, Jan 1, 2011, , 138 pages. Bacteriophages (phages) are the viruses of bacteria and biofilms that represent a frequent niche for bacteria, where they are embedded in extensive extracellular polymeric

Pseudomonas Genomics and Molecular Biology, Pierre Cornelis, Jan 1, 2008, Science, 244 pages. The genome sequences of several pseudomonads have become available in recent years and researchers are beginning to use the data to make new discoveries about this bacterium

Bergey's manual of systematic bacteriology, Volume 1 , John G. Holt, 1984, , 2648 pages. Assists in the identification of bacteria and indicates the relationships of bacteria. Articles include the name of the genus, synonyms, etymology of the name, description

Bacteriophage, Volume 4 , Christopher K. Mathews, American Society for Microbiology, 1983, Science, 410 pages. .

In response to the emergence of pathogenic bacteria that cannot be treated with current antibiotics, many researchers are revisiting the use of bacteriophages, or phages, to fight multidrug-resistant bacteria. Bacteriophages: Biology and Applications provides unparalleled, comprehensive information on bacteriophages and their applications, such as phage therapy. It offers techniques, media, and methodology involved in isolating and working with therapeutic phages. Photographs, line drawings, and electron micrographs of phages are also included. With its broad approach, this book is a useful reference for microbiologists, hematologists, and infectious disease researchers.

Several of the chapters do not have any equivalent elsewhere. . . An especially groundbreaking article by [V.A.] Fischetti describes the use of specific phage lysozymes in the control of infections by bacteria such as Bacillus anthracis and Streptococcus pneumoniae. I enjoyed reading this book from cover to cover very much. It is user friendly and affordable.

…this book combines a detailed review of the technical aspects of phage research and applications with a very interesting and valuable historical perspective and an overview of therapeutic, industrial and agricultural applications…a valuable resource for phage researchers and both undergraduate and postgraduate students…an essential text for institutional purchase.

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