

1. Record Nr.	UNINA9910139493503321
Titolo	Enzybiotics [[electronic resource]] : antibiotic enzymes as drugs and therapeutics // edited by Tomas G. Villa, Patricia Veiga Crespo
Pubbl/distr/stampa	Hoboken, NJ, : John Wiley & Sons, c2010
ISBN	1-282-68479-5 9786612684791 0-470-57054-7 0-470-57053-9
Descrizione fisica	1 online resource (296 p.)
Altri autori (Persone)	Gonzalez VillaTomas Veiga-CrespoPatricia
Disciplina	615.329 615.35
Soggetti	Enzymes - Therapeutic use Antibacterial agents
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	ENZYBIOTICS; CONTENTS; PREFACE; CONTRIBUTORS; 1 ENZYBIOTICS AND THEIR POTENTIAL APPLICATIONS IN MEDICINE; 2 ADVANTAGES AND DISADVANTAGES IN THE USE OF ANTIBIOTICS OR PHAGES AS THERAPEUTIC AGENTS; 3 ENZYBIOTICS AS SELECTIVE KILLERS OF TARGET BACTERIA; 4 PHYLOGENY OF ENZYBIOTICS; 5 BACTERIOPHAGE LYSINS: THE ULTIMATE ENZYBIOTIC; 6 BACTERIOPHAGE HOLINS AND THEIR MEMBRANE-DISRUPTING ACTIVITY; 7 ANTI-STAPHYLOCOCCAL LYTIC ENZYMES; 8 MEMBRANE-TARGETED ENZYBIOTICS; 9 DESIGN OF PHAGE COCKTAILS FOR THERAPY FROM A HOST RANGE POINT OF VIEW; 10 IDENTIFYING PHAGE LYTIC ENZYMES: PAST, PRESENT, AND FUTURE 11 USE OF GENETICALLY MODIFIED PHAGES TO DELIVER SUICIDAL GENES TO TARGET BACTERIA CONCLUDING REMARKS: THE FUTURE OF ENZYBIOTICS; INDEX
Sommario/riassunto	Presents the latest research and applications for a new, promising approach to fighting infectious diseases Enzybiotics is a promising way of fighting bacterial or fungal infectious diseases by using viruses or viral-derived lysins. Drawing from the fields of medicinal chemistry,

microbiology, genetics, and biochemistry, this book presents the state of the science in enzybiotics research, fully exploring its emerging therapeutic applications. The book begins with four chapters that review the potential applications, possible advantages, and phylogeny of enzybiotics. Next, the book e
