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Titolo	Bacteriophages in the control of food- and waterborne pathogens [[electronic resource] /] / edited by Parviz M. Sabour, Mansel W. Griffiths
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Descrizione fisica	1 online resource (366 p.)
Altri autori (Persone)	SabourParviz M GriffithsMansel
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Soggetti	Bacteriophages - Therapeutic use Bacteriophages - Diagnostic use Food contamination Water - Pollution
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Implications of antimicrobial agents as therapeutics and growth promoters in food animal production / Patrick Boerlin -- Introduction to bacteriophage biology and diversity / Pieter-Jan Ceyssens and Rob Lavigne -- Phage-based methods for the detection of bacterial pathogens / Mansel W. Griffiths --Application of bacteriophages to control pathogens in food animal production / Lawrence D. Goodridge --Bacteriophages for control of phytopathogens in food production systems / Antonet M. Svircev, Alan J. Castle, and Susan M. Lehman -- Potential use of bacteriophages as indicators of water quality and wastewater treatment processes / Francisco Lucena and JuanJofre -- Application of bacteriophages to control pathogenic and spoilage bacteria in food processing and distribution / J. Andrew Hudson, Lynn

McIntyre, and Craig Billington -- Bacteriophage lytic enzymes as antimicrobials / Caren J. Stark ... [et al.] -- Lysogenic conversion in bacteria of importance to the food industry / Marcin Los... [et al.] -- Bacteriophages in industrial food processing / Simon Labrie and Sylvain Moineau -- Practical and theoretical considerations for the use of bacteriophages in food systems / Jason J. Gill -- Encapsulation and controlled release of bacteriophages for food animal production / Qi Wang and Parviz M. Sabour --Application of bacteriophages for control of infectious diseases in aquaculture / Toshihiro Nakai -- Control of bacterial diarrhea with phages : coverage and safety issues in bacteriophage therapy / Harald Brussow -- Industrial and regulatory issues in bacteriophage applications in food production and processing / Alexander Sulakvelidze and Gary R. Pasternack.

Sommario/riassunto

As food- and waterborne pathogens become increasingly resistant to antibiotics, researchers are turning to bacteriophages as an alternative to keep our food and water supplies safe. This timely book provides a unique comprehensive review of the literature on the application of bacteriophages as therapeutic and prophylactic agents in the food production and processing industries, including food animals, plants, and aquaculture.
