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Titolo	Bacteriophages: Practical Applications for Nature's Biocontrol // by Sabah A.A. Jassim, Richard G. Limoges
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ISBN	3-319-54051-3
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XVII, 242 p. 49 illus., 48 illus. in color.)
Disciplina	579.3
Soggetti	Bacteriology Veterinary medicine Veterinary Medicine/Veterinary Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Applications of phage biocontrol in aquatic habitats and on farms -- Practical aspects of phage biocontrol testing and applications -- Contamination control risks and remediation strategies, along with rapid microbiological detection methods -- Phage hunting, propagation and enhancing lytic activity to target the host cell -- Relevant phage biocontrol applications and quality control assessment -- Alternative applications for phage in wastewater and other water treatment, including control of harmful algal blooms -- Use as an environmental biocontrol in healthcare, crowded, sensitive or unsanitary environments -- Healthcare applications, obstacles and considerations -- Uses in a timed-release format for ingestion or injection -- index.
Sommario/riassunto	Bacteriophages: Practical Applications for Nature's Biocontrol' presents the latest information on uses in healthcare settings as well as animal husbandry, management and care of farm animals by using enhanced phages to replace antibiotics for growth promotion in animal feed or to prevent, control and treat disease in animals. The book will provide an overview of the function of phages and what researchers need to know, from phage hunting to laboratory design, management, production and application using different tools and methods. These key aspects will

be discussed through a series of dedicated chapters, with topics covering auditing, validation, data analysis, microbial identification, culture media, and contamination control, etc.
