

1. Record Nr.	UNINA9910969820003321
Titolo	Contemporary trends in bacteriophage research // Horace T. Adams, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2009
ISBN	1-60876-821-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (465 p.)
Altri autori (Persone)	AdamsHorace T
Disciplina	579.2/6
Soggetti	Bacteriophages Femtosecond lasers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Nova biomedical".
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Fighting fire with fire : applying temperate phage for preventing phage infection in food fermentations / Xingmin Sun, Horst Neve and Knut J. Heller -- Bacteriophages and the control of bacteria in food / J.A. Hudson, L. McIntyre and C. Billington -- Prophages within the bacterial genomes : contribution to bacterial variability / Maite Muniesa, Ruth Serra-Moreno and Juan Jofre -- Bacteriophage encoded murein hydrolases / Yves Briens, Guido Volckaert and Rob Lavigne -- Use of phage-battery to isolate industrially-important rare actinomycetes / Ipek Kurtboke -- Inactivation of viruses with femtosecond laser pulses / K.T. Tsen ... [et al.] -- Experimental fitness landscape for bacteriophage infectivity / Yuuki Hayashi, Takuyo Aita and Tetsuya Yomo -- Bacteriophage intraspecific cooperation and defection / Stephen T. Abedon -- Impact of phage properties on bacterial survival / Stephen T. Abedon -- Phage display in brain tumor research / Tatiana I. Samoylova and Nancy R. Cox -- Deconstructing chemostats towards greater phage-modeling precision / Stephen T. Abedon -- Disambiguating bacteriophage pseudolysogeny : an historical analysis of lysogeny, pseudolysogeny, and the phage carrier state / Stephen T. Abedon -- Impact of lysogeny on bacteria with a focus on lactic acid bacteria / Xingmin Sun ... [et al.] -- Contribution of negatively charged phosphate and KDO residues on lipopolysaccharide to the binding and conformational change of spike G and H proteins of bacteriophage øX174 / Minoru Inagaki ... [et al.] -- Mycobacteriophage and control of

tuberculosis / Sergio Luis Yzquierdo ... [et al.] --

Contemporary trends in bacteriophage research : bacteriophage

biocontrol : the *Ralstonia solanacearum* case / Takashi Yamada --

Characterization of receptor sites for bacteriophages PL-1,J-1 and

MLC-A using two strains of *Lactobacillus casei* / Maria Lujan Capra,

Andrea del Lujan Quiberoni and Jorge Alberto Reinheimer -- Usage of

bacteriophage in display technology : an effective identification of

target-binding peptide/protein from large repertoires of sequences /

Teruhiko Matsubara.

Sommario/riassunto

A bacteriophage is any one of a number of viruses that infect bacteria.

The term is commonly used in its shortened form, phage. Typically,

bacteriophages consist of an outer protein hull enclosing genetic

material. This book presents the latest research in this field from

around the world.
