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Sommario/riassunto	This first major reference work dedicated to the manifold industrial and medical applications of bacteriophages provides both theoretical and practical insights into the emerging field of bacteriophage biotechnology. The book introduces to bacteriophage biology, ecology and history and reviews the latest technologies and tools in bacteriophage detection, strain optimization and nanotechnology. Usage of bacteriophages in food safety, agriculture, and different therapeutic areas is discussed in detail. This book serves as essential guide for researchers in applied microbiology, biotechnology and medicine coming from both academia and industry.