

1. Record Nr.	UNINA9910647494103321
Titolo	Foodborne Pathogens : Recent Advances in Control and Detection // edited by Alexandre Lamas, Carlos Manuel Franco and Patricia Regal
Pubbl/distr/stampa	London : , : IntechOpen, , 2023 ©2023
Descrizione fisica	1 online resource (ix, 126 pages)
Disciplina	615.954
Soggetti	Foodborne diseases Pathogenic microorganisms
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Properties of Foodborne Pathogens and Their Diseases 102 -- 2. Emerging Infectious Food System Related Zoonotic Foodborne Disease - A Threat to Global Food Safety and Nutrition Security 121 -- 3. Pathogenicity, Toxin Production, Control and Detection of <i>Bacillus cereus</i> 113 -- 4. Tools for Rapid Detection and Control of Foodborne Microbial Pathogens 262 -- 5. Advances in the Bacteriophage-Based Precise Identification and Magnetic Relaxation Switch Sensor for Rapid Detection of Foodborne Pathogens 121.
Sommario/riassunto	In a totally globalized world with a population estimated to reach 10 billion by the year 2100, according to the United Nations, food security and food safety are two of the main challenges facing humanity. Foodborne pathogens continue to cause many cases of infection in humans worldwide each year. Global trade today results in food produced in a specific region or industry being distributed globally, which can lead to a food-poisoning outbreak affecting people in different countries. The increase in antimicrobial resistance and the emergence of multidrug-resistant bacterial strains is another cause for concern. Detection and control of pathogens are therefore essential to prevent the occurrence of food-poisoning outbreaks and to reduce the prevalence of pathogens along the food production chain. Throughout the chapters of this book, the reader will have an overview of the main

food pathogens and the problems they cause, as well as the main control measures and techniques for their rapid detection.

---