1. Record Nr. UNINA9910373918803321

Titolo	Food Safety & Mycotoxins / / edited by Aibo Wu
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
ISBN	981-329-038-2
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (X, 169 p. 60 illus., 33 illus. in color.)
Disciplina	664.001579
Soggetti	Microbiology Food—Biotechnology Food Microbiology Food Science Tecnologia dels aliments Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Part 1. Detection -- Chapter 1. Chromogenic platform-based lateral flow immunoassay -- Chapter 2. Sample preparation and chromatographic analysis -- Part 2. Risk assessment -- Chapter 3. Toxicity evaluation using animal and cell models -- Chapter 4. Risk profiling of co-occurring contamination -- Chapter 5. Metabolism of Mycotoxins and the Potential Biomarkers for Risk Assessment -- Part 3. Control -- Chapter 6. Origin of mycotoxin-producing fungal and bacteria species -- Chapter 7. Enzymes for degradation of mycotoxins -- Chapter 8. Confrontation of microbes with mycotoxin-producing strains -- Chapter 9. Chemical and physical treatments for reducing mycotoxin -- Part 4. Summary and prospective -- Chapter 10. Summary and prospective.
Sommario/riassunto	Mycotoxins are increasingly attracting attention at thegovernmental, public and academic level worldwide, due to more frequent and serious contaminations of food and feedstuffs, which pose a serious threat to human health and animal production. This book reviews the latest research on mycotoxins that directly concern food safety, and especially focuses on detection technologies, risk assessment and control strategiescurrently being used in China. Gathering

contributions from over 20 respected researchers, the book will benefit graduatestudents, researchers and management groups from various disciplines, including food science and technology, analytical chemistry, plant pathology, public health, etc. .