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4.3. Host-Specific Enteric Viruses in the Leafy Green Supply Chain4.4. Enterococci in Tomato Production; 5. Limitations and Challenges of MST; 6. Conclusions and Future Directions: Where Do We Go from Here?; References; Chapter 4: Application of Molecular Methods for Traceability of Foodborne Pathogens in Food Safety Systems; 1. Introduction; 2. Complexity of Food Production Systems; 3. Foodborne Pathogens and the Potential Role of Traceability; 4. Discovery of DNA and Development of Genetic Foundational Principles; 5. Genomics and the Evolution of Molecular Biology
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2.2.3. Domain model2.3. Implementation Aspects; 2.3.1. Core biotrace; 2.3.2. Operational biotrace; 3. Examples of Biotracing Models; 3.1. Conceptual Model: Salmonella in Feed; 3.2. Operational Biotracing: Salmonella in the Pork Slaughterhouse; 3.3. S. aureus Enterotoxins in Pasteurized Milk; 3.4. L. monocytogenes in Cheese; 3.5. Source Attribution of Campylobacter ; 4. Conclusions and Discussion; Acknowledgment; References; Chapter 6: Salmonella and the Potential Role for Methods to Develop Microbial Process Indicators on Chicken Carcasses; 1. Introduction; 2. Commercial Poultry Processing
3. Poultry Processing and Sources of Microbial Contamination

Sommario/riassunto

Food Safety: Emerging Issues, Technologies and Systems offers a systems approach to learning how to understand and address some of the major complex issues that have emerged in the food industry. The book is broad in coverage and provides a foundation for a practical understanding in food safety initiatives and safety rules, how to deal with whole-chain traceability issues, handling complex computer systems and data, foodborne pathogen detection, production and processing compliance issues, safety education, and more. Recent scientific industry developments are written by experts in the fiel