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| Nota di contenuto       | Contents; Contributors; Preface; 1. Insights from Genomic Studies of the Foodborne and Waterborne Pathogen Escherichia coli O157:H7; 2. Shigella Genomes: a Tale of Convergent Evolution and Specialization through IS Expansion and Genome Reduction; 3. Genome Rearrangements in Salmonella; 4. Campylobacter and Arcobacter; 5. Comparative Genomics of Vibrio vulnificus: Biology and Applications; 6. Vibrio parahaemolyticus; 7. How Genomics Has Shaped Our Understanding of the Evolution and Emergence of Pathogenic Vibrio cholerae; 8. Genomics of the Enteropathogenic Yersiniae; 9. Staphylococcus aureus<br>10. Genomics of Listeria monocytogenes and Other Members of the Genus Listeria11. Bacillus cereus; 12. Bacillus anthracis; 13. Clostridium botulinum; 14. Clostridium perfringens; 15. Mycobacterium avium Subspecies paratuberculosis; 16. Foodborne Noroviruses; 17. Hepatitis A and E Viruses; 18. Genomics of Aspergillus flavus Mycotoxin |

Production; 19. Cryptosporidium Species; 20. Giardia lamblia: Molecular Studies of an Early Branching Eukaryote; 21. Cyclospora cayetanensis: a Review of the Genome; 22. Impact of the Toxoplasma gondii Genome Project  
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Sommario/riassunto

In this work, the authors review genome sequencing initiatives, explaining how they continue to build our understanding of the ecology, adaptation, and evolution of individual pathogens. They explain how pathogen genomics has the potential to ensure the safety of global food and water supplies. This is recommended for microbiology and genomics researchers, public health officials, regulators, food scientists, and other professionals protecting food and water supplies from dangerous pathogens.

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