

1. Record Nr.	UNINA9910554206703321
Titolo	Food science and technology : trends and future prospects // edited by Oluwatosin Ademola Ijabadeniyi
Pubbl/distr/stampa	Berlin ; ; Boston : , : Walter de Gruyter, , [2021] ©2021
ISBN	3-11-066746-0
Descrizione fisica	1 online resource (XIII, 525 p.)
Collana	De Gruyter STEM
Classificazione	AR 19140
Disciplina	664
Soggetti	Food - Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Foreword -- Contents -- List of contributors -- Introduction -- Part I: Postharvest handling and food processing -- 1 The food industry: yesterday, today, and tomorrow -- 2 Postharvest handling of fresh produce -- 3 Cereals and cereal products -- 4 Processing operations and effects on the characteristics of legume grains for food system applications -- 5 Meat and meat products processing -- 6 Fish and shellfish processing -- Part II: Food microbiology use of microorganisms -- 7 Microbial food spoilage of selected food and food products -- 8 Microbiological safety of foods -- 9 Russia and Commonwealth of Independent States (CIS) domestic fermented milk products -- 10 Application of biotechnology in the food industry -- Part III: Food chemistry: analysis and nutrition -- 11 Dietary nutrients, antinutritional factors, and valorization of food waste -- Part IV: Product development, sensory evaluation, and packaging -- 12 Food trends and development of new food products -- 13 Understanding sensory evaluation of food -- 14 Food packaging and packaging innovations -- Part V: Food innovations and nonthermal processing -- 15 Blockchain and food traceability -- 16 Big data and the food industry -- 17 Nonthermal processing techniques for innovative food processing -- 18 Food scanners: applications in the food industry -- Part VI: Food business: entrepreneurship and regulation -- 19 Food entrepreneurship: principles and practice -- 20 Food regulations and governance -- Part VII: Outlook -- 21 Conclusion

Sommario/riassunto

Food Science and Technology: Trends and Future Prospects presents different aspects of food science i.e., food microbiology, food chemistry, nutrition, process engineering that should be applied for selection, preservation, processing, packaging, and distribution of quality food. The authors focus on the fundamental aspects of food and also highlight emerging technology and innovations that are changing the food industry. The chapters are written by leading researchers, lecturers, and experts in food chemistry, food microbiology, biotechnology, nutrition, and management. This book is valuable for researchers and students in food science and technology and it is also useful for food industry professionals, food entrepreneurs, and farmers.
