1. Record Nr. UNINA9911015681603321

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Titolo	Physiological Perspectives on Food Safety: Exploring the Intersection of Health and Nutrition / / edited by Tanmay Sarkar, Ahmed Hamad, Ayan Chatterjee
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031945823 9783031945816
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (767 pages)
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Disciplina	641.3 664
Soggetti	Food science Food - Safety measures Food - Microbiology Digestion Physiology Gastrointestinal system Nutrition Food Science Food Safety Food Microbiology Digestive System Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Physiological Aspects of Food Safety -- Gastrointestinal Physiology and Foodborne Pathogens -- Nutrient Absorption Dynamics and Food Contaminants -- Immunological Responses to Foodborne Threats -- Neurophysiological Implications of Food Safety -- Metabolic Regulation and Food Contaminants -- Endocrine Responses to Foodborne Challenges -- Developmental Physiology and Food Safety -- Aging Physiology and Susceptibility to Foodborne Illness -- Neuroendocrine Modulation of Food Safety -- Renal Physiology and

Detoxification of Food Contaminants -- Respiratory Responses to Airborne Food Hazards -- Cardiovascular Impacts of Foodborne Toxins -- Hematological Consequences of Food Contamination -- Musculoskeletal Physiology and Nutritional Integrity -- Dermatological Manifestations of Food Allergies and Sensitivities -- Olfactory and Gustatory Responses to Food Quality and Safety -- Reproductive Physiology and Maternal Fetal Food Safety -- Neural Control of Appetite and Food Choice in the Context of Safety -- Chronobiological Considerations in Food Safety -- Integrative Physiology of Food Safety Management.

Sommario/riassunto

As food safety concerns become increasingly prevalent, understanding the physiological implications of foodborne pathogens, contaminants, and additives is essential for safeguarding public health. Physiological Perspectives on Food Safety: Exploring the Intersection of Health and Nutrition is a groundbreaking exploration that illuminates the dynamic relationship between food safety and human physiology. This work delves deep into the physiological mechanisms underlying the safety of the foods we consume, offering invaluable insights into how our bodies interact with and respond to the foods we eat. Bridging the gap between the fields of food science and human physiology, Physiological Perspectives on Food Safety: Exploring the Intersection of Health and Nutrition synthesizes cutting-edge research to provide a holistic understanding of the complex interactions between food safety and human health. By exploring topics such as digestive physiology, immune function, metabolic health, and neurological effects, this work sheds light on how food safety practices can impact physiological processes at every stage of life. Through its rigorous analysis, practical insights, and forward-thinking approach, Physiological Perspectives on Food Safety promises to be an indispensable resource for anyone seeking to deepen their understanding of the physiological underpinnings of food safety and its implications for human health and nutrition. It will serve as a vital resource for researchers, healthcare professionals, policymakers, and beyond.