

1. Record Nr.	UNINA9910824828703321
Titolo	Improving food quality with novel food processing technologies // edited by Ozlem Tokusoglu, Barry G. Swanson
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , [2015] ©2015
ISBN	0-429-18541-3 1-4665-0724-1
Descrizione fisica	1 online resource (476 p.)
Disciplina	338.4/7664 338.47664
Soggetti	Food industry and trade - Sanitation Processed foods Food - Preservation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Front Cover; Contents; Editors; Contributors; Chapter 1: Introduction to Improving Food Quality by Novel Food Processing; Chapter 2: High-Pressure Processing of Bioactive Components of Foods; Chapter 3: High-Pressure Processing for Improved Dairy Food Quality; Chapter 4: Improving Quality of Agrofood Products by High-Pressure Processing; Chapter 5: High-Pressure Processing for Freshness, Shelf-Life Quality of Meat Products and Value-Added Meat Products; Chapter 6: Quality of High-Pressure Processed Pastes and Purees; Chapter 7: Fruit Juice Quality Enhancement by High-Pressure Technology Chapter 8: Mild High-Pressure Treatments as an Alternative to Conventional Thermal Blanching : A Case Study on Pepper Fruits Chapter 9: High-Pressure Processing for Improving Digestibility of Cooked Sorghum Protein; Chapter 10: Modeling and Simulating of the High Hydrostatic Pressure Inactivation of Microorganisms in Foods; Chapter 11: Phytochemical Quality, Microbial Stability, and Bioactive Profiles of Berry-Type Fruits, Grape, and Grape By-Products with High-Pressure Processing; Chapter 12: Improving Quality and Shelf-Life of Table Eggs and Olives by High-Pressure Processing

Chapter 13: Applications of High Pressure as a Nonthermal Fermentation Control Technique
Chapter 14: Food Allergies : High-Pressure Processing Effects on Food Allergens and Allergenicy;
Chapter 15: Effects of Pulsed Electric Field Processing on Microbial Quality, Enzymatic, and Physical Properties of Milk; Chapter 16: Modification of Cheese Quality Using Pulsed Electric Fields; Chapter 17: Quality, Safety, and Shelf-Life Improvement in Fruit Juices by Pulsed Electric Fields; Chapter 18: Improving Liquid Egg Quality by Pulsed Electrical Field Processing
Chapter 19: PEF Systems for Industrial Food Processing and Related Applications
Back Cover

Sommario/riassunto

Improving food quality, specifically properties such as rheological, physicochemical, and sensorial aspects, is always a goal of food and beverage manufacturers. During the past decade, novel processing technologies including high hydrostatic pressure (HHP), ultrasound, pulse electric field (PEF), and advanced heating technologies containing microwave, ohmic heating, and radio frequency have frequently been applied in the processing of foods and beverages. This book addresses maintaining and improving food quality through the use of these novel food processing technologies--
