Record Nr. UNINA9911004808703321 Case studies in novel food processing technologies: innovations in **Titolo** processing, packaging and predictive modelling / / edited by Christopher J. Doona, Kenneth Kustin and Florence E. Feeherry Oxford;; Philadelphia, Pa.,: Woodhead Pub., 2010 Pubbl/distr/stampa **ISBN** 9781613440261 161344026X 9780857090713 0857090712 Edizione [1st edition] Descrizione fisica 1 online resource (560 p.) Woodhead Publishing series in food science, technology, and nutrition, Collana 2042-8049;; no. 197 Altri autori (Persone) DoonaChristopher J KustinKenneth <1934-> FeeherryFlorence E Disciplina 664 Soggetti Food industry and trade - Technological innovations Food - Storage Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Cover: Case studies in novel food processing technologies: Innovations in processing, packaging and predictive modelling; Copyright: Contents; Contributor contact details; Woodhead Publishing Series in Food Science, Technology and Nutrition; Preface; 1 Non-thermal food pasteurization processes: an introduction; 1.1 Introduction; 1.2 Pulsed electric field; 1.3 High hydrostatic pressure; 1.4 Ionizing irradiation; 1.5 Ultraviolet radiation; 1.6 Non-thermal plasma; 1.7 Concentrated high intensity electric field; 1.8 Conclusions; 1.9 References Part I Case studies in high pressure and pulsed electric field processing

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Sommario/riassunto

Novel food processing technologies have significant potential to improve product quality and process efficiency. Commercialisation of new products and processes brings exciting opportunities and interesting challenges. Case studies in novel food processing technologies provides insightful, first-hand experiences of many pioneering experts involved in the development and commercialisation of foods produced by novel processing technologies.Part one presents case studies of commercial products preserved with the leading nonthermal technologies of high pressure processing and pulsed electr

7.4 Simultaneous infrared blanching and dehydration (SIRBD)