Record Nr. UNINA9910254145703321 Autore Steinka Izabela Titolo The Chemistry of Frozen Vegetables / / by Izabela Steinka, Caterina Barone, Salvatore Parisi, Marina Micali Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2017 **ISBN** 3-319-53932-9 Edizione [1st ed. 2017.] Descrizione fisica 1 online resource (VI, 41 p. 3 illus. in color.) Collana Chemistry of Foods, , 2199-689X Disciplina 589.95 Soggetti Food—Biotechnology Microbiology Nutrition Food Science Food Microbiology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references at the end of each chapters. Nota di contenuto Antibiotic-resistant Staphylococci Isolated from Hermetically-packaged Frozen Vegetables -- Technology and Chemical Features of Frozen Vegetables -- Instrumental Systems for the Control of Frozen Vegetables During Refrigeration -- Colorimetric Modifications in Frozen Vegetables. Sommario/riassunto This Brief presents a chemical perspective on frozen vegetables, also known as "ready-to-use" foods. It elucidates the chemical properties and modifications of vegetables from harvest and treatment to the end of their long shelf-life. Particular attention is given to the microbiological colonization of vegetables during the freezing treatments and to the chemical and physical modifications associated. The authors explore the undesired effects of this colonization through the lens of the antibiotic-resistant Staphylococci found in hermeticallypackage frozen vegetables. With this informative and instructive Brief,

readers will understand the importance of the frozen storage

technologies...