Record Nr. UNINA9911020025503321 Autore Rosa Laura A. de la **Titolo** Fruit and vegetable phytochemicals: chemistry, nutritional value and stability / / Laura A. de la Rosa, Emilio Alvarez-Parrilla, Gustavo A. Gonzalez-Aguilar Ames, Iowa, : Wiley-Blackwell, 2009 Pubbl/distr/stampa **ISBN** 9786612331640 9781282331648 1282331647 9780813809397 0813809398 9780813809489 0813809487 Edizione [1. ed.] Descrizione fisica 1 online resource (381 p.) Altri autori (Persone) Alvarez-ParrillaEmilio Gonzalez-AguilarGustavo A Disciplina 615/.321 Soggetti **Phytochemicals** Polyphenols Carotenoids Fruit - Analysis Vegetables - Analysis 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 Fruit and Vegetable Phytochemicals: Chemistry, Nutritional Value, and Stability; Contents; Contributors; Preface; Chapter 1. The Contribution of Fruit and Vegetable Consumption to Human Health; Chapter 2. Phenolic Compounds: Chemistry and Occurrence in Fruits and Vegetables: Chapter 3. Synthesis and Metabolism of Phenolic Compounds; Chapter 4. Enzymatic and Nonenzymatic Degradation of Polyphenols; Chapter 5. Chemistry of Flavonoids; Chapter 6. Flavonoids and Their Relation to Human Health; Chapter 7. Chemistry, Stability,

and Biological Actions of Carotenoids

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Sommario/riassunto

Fruit and Vegetable Phytochemicals: Chemistry, Nutritional Value and Stability provides scientists in the areas of food technology and nutrition with accessible and up-to-date information about the chemical nature, classification and analysis of the main phytochemicals present in fruits and vegetables - polyphenols and carotenoids. Special care is taken to analyze the health benefits of these compounds, their interaction with fiber, antioxidant and other biological activities, as well as the degradation processes that occur after harvest and minimal processing.