

1. Record Nr.	UNINA9910139877703321
Autore	Rosa Laura A. de la
Titolo	Fruit and vegetable phytochemicals [[electronic resource]] : chemistry, nutritional value and stability / / Laura A. de la Rosa, Emilio Alvarez-Parrilla, Gustavo A. Gonzalez-Aguilar
Pubbl/distr/stampa	Ames, Iowa, : Wiley-Blackwell, 2009
ISBN	1-282-33164-7 9786612331640 0-8138-0939-8 0-8138-0948-7
Edizione	[1. ed.]
Descrizione fisica	1 online resource (381 p.)
Altri autori (Persone)	Alvarez-ParrillaEmilio Gonzalez-AguilarGustavo A
Disciplina	615.321 615/.321 664.8
Soggetti	Phytochemicals Polyphenols Carotenoids Fruit - Analysis Vegetables - Analysis
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 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 Chapter 8. Dietary Fiber and Associated Antioxidants in Fruit and VegetablesChapter 9. Emerging Technologies Used for the Extraction of

Phytochemicals from Fruits, Vegetables, and Other Natural Sources; Chapter 10. Methods of Analysis of Antioxidant Capacity of Phytochemicals; Chapter 11. Phytochemical Changes in the Postharvest and Minimal Processing of Fresh Fruits and Vegetables; Chapter 12. Quality Loss of Fruits and Vegetables Induced by Microbial Growth; Index

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.
