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Titolo	Cultivars : chemical properties, antioxidant activities and health benefits // Katya Carbone, editor
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ISBN	1-62417-103-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (291 p.)
Collana	Agriculture issues and policies Botanical research and practices Nova biomedical
Altri autori (Persone)	CarboneKatya
Disciplina	333.95/34
Soggetti	Plants - Analysis Botanical chemistry Antioxidants Plant varieties - Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Vegetable breeding for nutritional quality and health benefits / Joao Silva Dias -- Cultivar identification and traceability, a molecular approach / Antonella Pasqualone -- Antioxidant compounds and nutraceutical benefits of Mediterranean red fruit / Teresa Casacchia and Adriano Sofo -- Phytochemical profiles and antiradical capacity of grape seed extracts from different Italian cultivar: re-using of winery by-products / Francesca Cecchini ... et al. -- Common beans: antioxidant capacity and health connection / R. Campos-Vega and Dave B. Oomah -- Chemical properties and health benefits of active constituents in cultivar seed oils / Aicha Olfa Cherif -- Comparative study on phenolic profile and antioxidant potential of six Tunisian autochthonous olive cultivars / B. Gargouri, I. Feki, M. Bouaziz -- Study of the oxidative stability of almonds based on different parametres and techniques: application to cultivar authenticity / A. Beltran Sanahuja, M. C. Garrigos Selva -- Different cultivars of the same species of plant may produce proteins that differ in structure and function / Tzi Bun Ng, Evandro Fei Fang, Jack Ho Wong -- Corn biotechnology / Pil Son Choi ... et al. -- Influences of nitrate on nodule structure and nitrate

reductase activity in *Arachis hypogaea* L. (cv Tegu Runner type) / Cecilia Belgoff, Maria del Carmen Tordable and Stella Castro -- Fatty acid un-saturation in the response of tomato to temperature stress / Anita Maienza ... et al.

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Sommario/riassunto

This new book is a collection of research and review articles from authors involved in diverse aspects of cultivar research. This volume discusses the agronomic, biochemical and nutritional aspects of a wide range of plant cultivars, including aspects related to the use of genetic tools for the production of vaccines as well as new molecular techniques available for product traceability. Also reviewed is the comprehensive treatment of the physiological effects of foods and food components capable of promoting good health and preventing or alleviating disease. Moreover, this volume will be of great help to undergraduate and graduate level students in Genetics, Agriculture, Phytochemistry, Biochemistry, Pharmacy, Plant Physiology and Crop Development, and an excellent reference material for plant researchers.

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