

1. Record Nr.	UNINA9911018882303321
Titolo	Recent advances in polyphenol research / / edited by Fouad Daayf, Vincenzo Lattanzio
Pubbl/distr/stampa	Oxford ; ; Ames, Iowa, : Wiley-Blackwell, [2008]-
ISBN	9786612689673 9781282689671 1282689673 9781444302400 144430240X 9781444302417 1444302418
Descrizione fisica	1 online resource (422 p.)
Altri autori (Persone)	DaayfFouad LattanzioVincenzo <1949->
Disciplina	572/.2
Soggetti	Polyphenols - Research
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	Contributors; Preface; Chapter 1 Plant Phenolics - Secondary Metabolites with Diverse Functions; 1.1 Secondary metabolism in the interactions between plants and their environment; 1.2 Function and use of plant phenolics; 1.2.1 UV sunscreens; 1.2.2 Phenolics as signal compounds; 1.2.3 Phenolics as pigments; 1.2.4 Phenolics and plant growth; 1.2.5 Phenolics and plant defense; 1.2.5.1 Fungal pathogens; 1.2.5.2 Phenolics and plant-insect interactions; 1.2.6 Plant phenolics and health; 1.3 Note; 1.4 References Chapter 2 Lignification: are Lignins Biosynthesized via simple Combinatorial Chemistry or via Proteinaceous Control and Template Replication? 2.1 Introduction; 2.2 The current theory; 2.3 Is there a need for a new theory?; 2.3.1 The challenge hypothesis (proteinaceous control and template replication); 2.3.2 Has the challenge hypothesis become a theory?; 2.4 Are criticisms of the current theory valid?; 2.4.1 Lignification as a biochemical anomaly; 2.4.2 The -ether frequency anomaly; 2.4.3 'Obligatory' linkages?; 2.5 Is there anything wrong with

the dirigent hypothesis?

2.5.1 Monomer substitution 2.5.1.1 Has monomer substitution been disproven?; 2.5.1.2 Malleability of lignification: what makes a good monolignol substitute?; 2.5.2 'Well-defined primary structure'; 2.5.2.1 Sequencing of lignin oligomers; 2.5.2.2 Monomer-independent sequences; 2.5.2.3 The 'urgent need to sequence lignin primary structure'; 2.5.3 Lignins' racemic nature; 2.5.3.1 The 'number of isomers' problem; 2.5.4 Comments on template replication; 2.5.5 Polymer branching; 2.6 Why the new hypothesis is not in contention; 2.7 Is lignification a biochemical anomaly? 2.7.1 Ferulate dehydrodimerization is combinatorial 2.7.2 Polysaccharide primary structure is NOT absolutely dictated; 2.8 Summary comments on the dirigent/replication hypothesis; 2.9 Conclusions; 2.10 Notes; 2.11 References; Chapter 3 Flavonoid-Protein Binding Processes and their Potential Impact on Human Health; 3.1 Introduction; 3.2 Biologically relevant chemical properties of flavonoids; 3.3 Binding processes prior to absorption; 3.4 Binding processes involved in flavonoid bioavailability; 3.4.1 Absorption and conjugation; 3.4.2 Transport in plasma 3.4.3 Tissue distribution and cellular metabolism 3.5 Binding processes involved in the potential health effects of flavonoids; 3.5.1 Inhibition of enzymes involved in ROS production; 3.5.2 Modulation of the redox properties of flavonoids by binding to proteins; 3.5.3 Inhibition of protein kinases; 3.5.4 Inhibition of cytochrome P450 enzymes; 3.5.5 Regulation of gene expression; 3.6 Conclusion; 3.7 References; Chapter 4 Methods for Synthesizing the Cocoa-Derived Oligomeric Epi-Catechins - Observations on the Anticancer Activity of the Cocoa Polyphenols; 4.1 Introduction 4.2 Synthesis of procyanidins

Sommario/riassunto

Polyphenols are the second most abundant class of substances in nature, and include tannins and flavonoids, many of which have extremely important antioxidant properties which have now been shown to have a key role in the prevention of cancer in humans. This important book covers polyphenol chemistry, biosynthesis and genetic manipulation, ecology and plant physiology, food and nutritional aspects and the effects of polyphenols on health. Included within the contents are cutting edge chapters on biotic and abiotic stress in plants, safety and toxicity in foods, functionality and nutraceutica

2. Record Nr.	UNISA996667272803316
Autore	Italia
Titolo	Codice civile e leggi complementari : 2024 / a cura di Stefano Petitti ed Enzo Vincenti
Pubbl/distr/stampa	Milano, : Giuffrè Francis Lefebvre, 2024
ISBN	978-88-288-5449-4
Descrizione fisica	XXIX, 2124 p. ; 15 cm
Collana	I codici Giuffrè
Disciplina	346.45002632
Collocazione	XXV.1.A. 739
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	In copertina: Aggiornato a Legge di bilancio 2024; Sempre aggiornato in App
Sommario/riassunto	Aggiornato a: Legge 30 dicembre 2023, n. 214 (legge annuale per il mercato e la concorrenza 2022); Legge 30 dicembre 2023, n. 213 (legge di bilancio 2024); Legge 7 dicembre 2023, n. 193 (prevenzione delle discriminazioni); D.lgs. 6 dicembre 2023, n. 224 (modifiche in tema di ostacolo all'esercizio delle funzioni delle autorità pubbliche di vigilanza); D.lgs. 22 novembre 2023, n. 184 (assicurazione della responsabilità civile risultante dalla circolazione di autoveicoli); Legge 14 luglio 2023, n. 93 (modifiche in materia di diritto d'autore). Leggi complementari: assicurazione, cittadinanza, concorrenza, consumatore, diritto d'autore, diritto internazionale privato, famiglia e persone, locazioni urbane, privacy, vendita. (Fonte: quarta di copertina)