1. Record Nr. UNINA9910454082703321

Titolo	Constructional approaches to English grammar [[electronic resource] /] / edited by Graeme Trousdale, Nikolas Gisborne
Pubbl/distr/stampa	Berlin ; ; New York, : Mouton de Gruyter, c2008
ISBN	1-282-19470-4 9786612194702 3-11-019917-3
Descrizione fisica	1 online resource (320 p.)
Collana	Topics in English linguistics, , 1434-3452 ; ; 57
Altri autori (Persone)	TrousdaleGraeme <1971-> GisborneNikolas <1966->
Disciplina	425
Soggetti	English language - Grammar, Generative Construction grammar Electronic books.
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 indexes.
Nota di contenuto	Frontmatter -- Contents -- Constructional approaches to language-particular description -- 1. The English gerund -- Gerunds, categories and constructions -- Approaches to the English gerund -- Constructions in grammaticalization and lexicalization: Evidence from the history of a composite predicate construction in English -- 2. Constructions and corpora -- Corpus approaches to constructions -- English relative clauses and Construction Grammar: A topic which preposition placement can shed light on? -- Shall and shan t in contemporary English - a case of functional condensation -- Constraints on the attributive use of "predicative-only" adjectives: A reassessment -- 3. Constructions and lexicalism -- Constructions and lexical approaches -- Antitransitivity and constructionality -- Dependencies are constructions: A case study in predicative complementation -- Word Grammar and Construction Grammar -- Backmatter
Sommario/riassunto	This collection of articles brings together new research from both established and emerging international experts in the study of English grammar, all of whom have engaged with the notion of 'construction' in

their work. The research here is concerned with both synchrony and diachrony, with the relationship between Construction Grammar and other linguistic theories, and with a number of issues in the study of grammar, such as raising and control phenomena, transitivity, relative clause structure, the syntax of gerunds, attributive and predicative uses of adjectives, modality, and grammaticalization. Some of the articles are written within a constructional framework, while others highlight potential problems with constructional approaches to English grammar; some of the articles are based on data collected from corpora, some on introspection; some of the articles suggest potential developments for diachronic construction grammar, while others seek to compare Construction Grammar with other cognitive linguistic theories, most particularly Word Grammar. The research reported in this volume presents a series of ways of looking at the relationship between constructions and patterns in English grammar, either now or in the past. The book addresses scholars and advanced students who are interested in English grammar, constructional approaches to language, and the relationship between functional and formal issues in linguistic description and theory.

2. Record Nr. UNINA9910143294103321

Titolo	Antioxidants and reactive oxygen species in plants [[electronic resource] /] / edited by Nicholas Smirnoff
Pubbl/distr/stampa	Oxford ; ; Ames, Iowa, : Blackwell Pub., 2005
ISBN	1-280-74821-4 9786610748211 0-470-76116-4 0-470-98856-8 1-4051-7146-4
Descrizione fisica	1 online resource (318 p.)
Collana	Biological Sciences Series
Altri autori (Persone)	SmirnoffN
Disciplina	572.42 572/.42
Soggetti	Antioxidants - Physiological effect Active oxygen - Physiological effect Plants - Metabolism Electronic books.
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	Antioxidants and Reactive Oxygen Species in Plants; Contents; Contributors; Preface; 1 Glutathione; 1.1 Introduction; 1.2 The glutathione redox couple and cellular redox potential; 1.3 Glutathione metabolism; 1.4 Biosynthesis and inhibition by L-buthionine-SR-sulphoximine; 1.5 Glutathione and the cell cycle; 1.6 Glutathione in leaves and its relationship to chilling tolerance; 1.7 Glutathione and homoglutathione in the regulation of root and root nodule development; 1.8 Transport and transporters; 1.9 Glutathione and signalling; 1.10 Conclusions and perspectives 2 Plant thiol enzymes and thiol homeostasis in relation to thiol-dependent redox regulation and oxidative stress2.1 Introduction: plant sulfur and thiol contents; 2.2 The redox potential and its relation to the redox proteome; 2.3 Oxidation of thiol groups; 2.4 C-X-X-C and C-X-X-S motifs in redox proteins; 2.5 The principle reactions that maintain thiol-redox homeostasis; 2.6 Enzymes involved in thiol-disulfide

interconversion; 2.6.1 Thioredoxins; 2.6.2 Glutaredoxins; 2.6.3 Omega and lambda-GSTs; 2.6.4 Protein disulfide isomerases
2.7 Peroxiredoxins, thiol/disulfide proteins in antioxidant defence2.7.1 1-Cys Prx; 2.7.2 2-Cys Prx; 2.7.3 Prx Q; 2.7.4 Type II Prx; 2.8 The thiol proteome of plants; 2.9 Thiol homeostasis in subcellular compartments; 2.10 Thiol-dependent redox regulation of gene expression; 2.11 Linking thiol regulation to metabolic and developmental pathways; 2.12 Outlook; 3 Ascorbate, tocopherol and carotenoids: metabolism, pathway engineering and functions; 3.1 Introduction; 3.2 Ascorbate; 3.2.1 Distribution and subcellular localisation; 3.2.2 Ascorbate biosynthesis; 3.2.3 Ascorbate recycling
3.2.4 Ascorbate and dehydroascorbate transport across membranes3.2.5 Enzymes involved in ascorbate oxidation; 3.2.6 Ascorbate catabolism; 3.2.7 Control of ascorbate synthesis and metabolic engineering; 3.2.8 The functions of ascorbate; 3.3 Vitamin E: tocopherols and tocotrienols; 3.3.1 Isoprenoid antioxidants; 3.3.2 Structure and antioxidant activity of tocopherols and tocotrienols; 3.3.3 Functions of tocopherol; 3.3.4 Biosynthesis of tocopherols and tocotrienols; 3.3.5 Control and engineering of tocopherol and tocotrienol biosynthesis; 3.4 Carotenoids; 3.4.1 Carotenoids as antioxidants
3.4.2 Carotenoid biosynthesis and metabolic engineering4 Ascorbate peroxidase; 4.1 Enzymatic removal of hydrogen peroxide in plants; 4.2 Functional analysis of APX; 4.3 APX structure; 4.3.1 Overall structure; 4.3.2 Active site structure; 4.3.3 Substrate binding; 4.4 Evolution of APXs; 4.5 Summary; 5 Catalases in plants: molecular and functional properties and role in stress defence; 5.1 Introduction; 5.2 Biochemistry and molecular structure of catalases; 5.2.1 Types of catalases; 5.2.2 Molecular structure; 5.2.3 Mechanism of the catalytic reaction and kinetic properties
5.3 Occurrence and properties of plant catalases

Sommario/riassunto

Reactive oxygen species (ROS) are produced during the interaction of metabolism with oxygen. As ROS have the potential to cause oxidative damage by reacting with biomolecules, research on ROS has concentrated on the oxidative damage that results from exposure to environmental stresses and on the role of ROS in defence against pathogens. However, more recently, it has become apparent that ROS also have important roles as signalling molecules. A complex network of enzymatic and small molecule antioxidants controls the concentration of ROS and repairs oxidative damage, and research is revealing t