

1. Record Nr.	UNISA996397013003316
Titolo	Englands diurnall, or, Passages of state executed by, and against, the knowne law of the land [[electronic resource]] : vvith certain queries wherefore and by what law so many things have been done contrary to the known law of the land
Pubbl/distr/stampa	[London, : s.n., 1643?]
Descrizione fisica	[8] p
Altri autori (Persone)	I. H
Soggetti	Great Britain History Civil War, 1642-1649
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Signed: I. H. Imperfect: upper margin closely trimmed; pagination cut off? Reproduction of original in Thomason Collection, British Library.
Sommario/riassunto	eebo-0158

2. Record Nr.	UNINA9910697734503321
Autore	Little Barbara J
Titolo	Archeology and civic engagement [[electronic resource] /] / Barbara J. Little
Pubbl/distr/stampa	Washington, DC : , : DOI Departmental Consulting Archeologist/NPS Archeology Program, National Park Service, , [2008]
Descrizione fisica	1 electronic text : HTML file
Collana	Brief ; ; 23
Soggetti	Archaeology - United States - Citizen participation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Nov. 13, 2008). "November 2008."

3. Record Nr.	UNINA9910568247103321
Titolo	Antioxidant Defense in Plants : Molecular Basis of Regulation // edited by Tariq Aftab, Khalid Rehman Hakeem
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	981-16-7981-9
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (458 pages)
Collana	Biomedical and Life Sciences Series
Disciplina	613.286
Soggetti	Plant physiology Plant molecular biology Botanical chemistry Stress (Physiology) Plants Plant Physiology Plant Molecular Biology Plant Biochemistry Plant Stress Responses
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1. An overview of roles of enzymatic and non-enzymatic antioxidants in plant -- Chapter 2. Functional Characterization of the Antioxidant Enzymes in Plants Exposed to Environmental Stresses -- Chapter 3. Gene expression and role of antioxidant enzymes in crop plants under stress -- Chapter 4. Proteomic and Genomic Approaches for Antioxidant Enzymes-Mediated Defence Analyses in Higher Plants -- Chapter 5. Genetic Engineering Applications in Inducing Stress Tolerance in Plants through Antioxidants -- Chapter 6. Kinase mediated signaling cascades in plants abiotic stress physiology -- Chapter 7. Plant peroxidases: biomarkers of environmental stresses and signaling in plants -- Chapter 8. Molecular mechanisms of superoxide dismutase (SODs)-mediated defense in controlling oxidative stress in plants -- Chapter 9. Glutathione in higher plants: biosynthesis and physiological mechanisms during heat and drought-induced oxidative stress. Chapter 10. Role of Tocopherol in Conferring

Abiotic StressTolerance in Plants -- Chapter 11. Plant glutathione transferases and their role in the mitigation of abiotic stresses -- Chapter 12. Role of ascorbic acid in alleviating abiotic stress in crop plants -- Chapter 13. CRISPR/Cas Mediated Genome Editing Technologies in Plants for Stress Resilience -- Chapter 14. Decrypting drought stress tolerance of crop plants via photosynthesis and antioxidative defense mechanisms -- Chapter 15. Role of Brassinosteroids (BRs) in modulating antioxidative defense mechanism in plants growing under abiotic and biotic stress conditions -- Chapter 16. Selenium-mediated regulation of antioxidant defense system and improved heavy metals tolerance in plants -- Chapter 17. Antioxidant defense system in plants against biotic stress -- Chapter 18. Revisiting the crucial role of reactive oxygen species and antioxidant defense in plant under abiotic stress -- Chapter 19. Plant life under changing environment: An exertion of environmental factors in oxidative stress modulation -- Chapter 20. Beneficial role of phytochemicals in oxidative stress mitigation in plants.

Sommario/riassunto

This edited book highlights the molecular basis of various enzymatic and non-enzymatic antioxidants, defense mechanisms and adaptation strategies employed by plants to avoid the stressful conditions. Special focus is given to gene expression, omics and other latest technologies such as CRISPR-Cas mediated genome editing applications for defense related studies in plants. Environmental stresses such as drought, salinity or floods etc. induce the generation of reactive oxygen species (ROS) which causes severe damage to cell membrane integrity by accelerating lipid peroxidation. To counteract the detrimental effect of ROS, plants are inherited with an intricate and vibrant antioxidant defense system, comprised of enzymatic (catalase, peroxidase, superoxide dismutase, glutathione reductase, glutathione S-transferase, guaiacol peroxidase, monodehydroascorbate reductase, dehydroascorbate reductase etc.), and non-enzymatic (glutathione, ascorbate, -tocopherol, carotenoids, flavonoids etc.) antioxidants, which scavenge and/or reduce excess ROS and improve plant tolerance to various stresses. Stress tolerance in most crop plants is positively correlated with an efficient antioxidant system. Therefore, studying the efficiency of antioxidant defense systems in plants is necessary for facilitating the plant's nature of adaptation against challenging environments. This book is of interest to teachers, researchers and academic experts. Also, the book serves as additional reading material for undergraduate and graduate students of biotechnology and molecular biology of plants.
