1. Record Nr. UNISA996387423303316

Autore	Dent Arthur <d. 1607.>
Titolo	Christes miracles [[electronic resource]] : deliuered in a sermon. By Arthur Dent, preacher of the word of God, at South-Shoobery in Essex
Pubbl/distr/stampa	At London, : Printed by G. E[ld] for Iohn Wright, and are to sould at his shop at Christ-church gate, 1608
Descrizione fisica	[56] p
Soggetti	Sermons, English
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A sermon. On John ix. 16. Printer's actual name from STC. A1, probably blank, lacking--Folger Shakespeare Library Catalogue. Signatures: [A]-C Dâ´ (D4 blank). Reproduction of the original in the Folger Shakespeare Library.
Sommario/riassunto	eebo-0055

2. Record Nr. UNINA9910743690103321

Titolo	Melatonin: Role in Plant Signaling, Growth and Stress Tolerance : Phytomelatonin in normal and challenging environments / / edited by Soumya Mukherjee, Francisco J. Corpas
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-40173-5
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (ix, 386 pages) : illustrations
Collana	Plant in Challenging Environments, , 2730-6208 ; ; 4
Altri autori (Persone)	MukherjeeSoumya CorpasFrancisco J
Disciplina	580
Soggetti	Botany Plants Botanical chemistry Stress (Physiology) Plant Science Plant Signalling Plant Biochemistry Plant Stress Responses
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- I. Melatonin as an antioxidant -- Chapter 1. Melatonin and the metabolism of reactive oxygen species (ROS) in higher plants -- II. Melatonin, biosynthesis, plant growth, development and reproduction -- Chapter 2. Melatonin in Plants: Biosynthesis, Occurrence and Role in plants -- Chapter 3. Abiotic stress-induced modulation of melatonin biosynthesis accompanying phytohormonal crosstalk in plants -- Chapter 4. Role of melatonin in embryo, seed development and germination -- Chapter 5. Melatonin metabolism in seeds: physiological and nutritive aspects -- Chapter 6. Melatonin in plant growth and signaling -- Chapter 7. Functions and prospects of melatonin during pre-fertilization reproductive stages in plants -- Chapter 8. Melatonin and fruit ripening physiology: crosstalk with ethylene, nitric oxide, hydrogen peroxide and hydrogen sulfide --

Chapter 9. Melatonin and postharvest biology of fruits and vegetables: augmenting the endogenous molecule by exogenous application -- Chapter 10. Melatonin language in postharvest life of horticultural crops -- III. Melatonin and its signaling in biotic and abiotic stress -- Chapter 11. Melatonin-mediated regulation of biotic stress responses in plants -- Chapter 12. Emerging roles of melatonin in mitigating pathogen stress -- Chapter 13. Eco-physiological and morphological adaptive mechanisms induced by melatonin and hydrogen sulfide under abiotic stresses in plants -- Chapter 14. Melatonin in plants under UV stress conditions -- Chapter 15. Molecular physiology of melatonin induced temperature stress tolerance in plants -- Chapter 16. Melatonin-mediated salt tolerance in plants -- Chapter 17. Role of phytomelatonin in promoting ion homeostasis during salt stress -- Chapter 18. Positive regulatory role of melatonin in conferring drought resistance to plants -- Chapter 19. Potential, mechanism and molecular insight of melatonin in phytoremediation.

Sommario/riassunto

The new edited volume on phytomelatonin and its diverse roles in plants under a challenging environment shall be an important reference book with updated information and future perspectives on the involvement of this biomolecule in stress resilience in plants. Investigations on different aspects of melatonin in plants have undergone a prolific surge in the last decade. In view of such a considerable volume of investigations in melatonin, the proposed new volume will collate its role in different aspects of plants signaling, growth and metabolism. In this context, it has been important to understand its function as a stress priming molecule that executes associative synergistic relation with various other plant growth regulators (viz. nitric oxide, hydrogen sulfide, inorganic ions, and enzymes). Thus, crop management under diverse stressful environments can be better achieved by elucidating our current understanding of the role of melatonin and its interplay with various plantmetabolites. The book shall provide a collation of recent advancements in genomic, transcriptomic, and metabolomic approaches to decipher the molecular mechanisms of melatonin signaling and its agronomic importance in plants. .