1. Record Nr. UNINA990005962400403321

Autore	Francia
Titolo	Nouveau code de la presse ou recueil complet des lois, décrets, ordonnances et règlemens actuellement en vigueur sur cette matière; avec des notes et explications; par M. J.-A. Garnier Dubourgneuf
Pubbl/distr/stampa	A Paris : a la librairie de jurisprudence et d'administration d'Antoine Bavoux, rue Git-Le-Coeur, n. 4, 1824
Descrizione fisica	IV, [4], 176 p. ; 8°
Disciplina	345.493
Locazione	FGBC
Collocazione	XII G 26
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Collezione

2. Record Nr. UNINA9910437619603321

Autore	Zhang Yuyang
Titolo	Ascorbic acid in plants : biosynthesis, regulation and enhancement / / Yuyang Zhang
Pubbl/distr/stampa	New York, NY, : Springer, 2012, c2013
ISBN	1-283-61141-4 9786613923868 1-4614-4127-7
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (123 p.)
Collana	SpringerBriefs in plant science, , 2192-1229
Disciplina	500
Soggetti	Vitamin C Botanical chemistry
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.

Nota di contenuto	Preface -- Chapter 1. Chemical feature -- Chapter 2. The biological role of ascorbate in plants -- Chapter 3. Ascorbate biosynthesis in plants -- Chapter 4. The oxidization and metabolism of ascorbate -- Chapter 5. Recycling of ascorbate -- Chapter 6. Transport of ascorbate -- Chapter 7. Key enzymes involved in ascorbate biosynthesis and metabolism -- Chapter 8. Regulation of ascorbate biosynthesis. - Chapter 9. Ascorbate in tomato, a model fruit. - Chapter 10. Metabolic modification of ascorbate in plants -- Chapter 11. Regulating ascorbate biosynthesis and metabolism for abiotic stress tolerance in plants -- References -- Index.
Sommario/riassunto	Ascorbate acid (AsA) is an important antioxidant in plants, playing important roles in various physiological processes. Humans have lost the ability to synthesize AsA because of the lack of L-gulono-1,4-lactone oxidoreductase, and thus have to absorb ascorbate from diet including fresh fruits and vegetables, as they are the major sources of ascorbate. Several pathways for AsA biosynthesis and metabolism have been identified in plants since 1998. More attention has been paid to improving ascorbate content in plants especially in fruits and vegetables. Significant progresses have been made on key enzymes and genes involved in the AsA biosynthesis and metabolism. Recently, more interests have arised in the regulation of AsA biosynthesis, as it is constantly regulated by the plant development and the environmental factors, e.g. light. Ascorbic acid is also frequently reported to affect plant growth and development e.g. flowering time and fruit ripening. The scope of the book is to cover the biological role, biosynthesis and metabolism, regulation, and metabolic modification of ascorbate in plants.