

1. Record Nr.	UNINA990001872390403321
Autore	Tedeschi, Pasquale
Titolo	Flowering and fruiting courses and yeld of sweet pepper ( <i>Capsicum annuum</i> L.) plants grown in lysimeters with relation todifferent water regimes / Pasquale Tedeschi, Giuseppe Zerbi
Pubbl/distr/stampa	Bologna : ..., 1984
Descrizione fisica	p. 323-329 ; 23 cm
Disciplina	631.7
Locazione	FAGBC
Collocazione	60 OP. 148/4 60 OP. 148/49
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Estr. da: Rivista ortoflorofrutticoltura italiana, n. 4,1984.

2. Record Nr.	UNINA9910349446803321
Titolo	Genetics and Genomics of Linum / / edited by Christopher A. Cullis
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	9783030239640 3030239640
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (271 pages)
Collana	Plant Genetics and Genomics: Crops and Models, , 2363-961X ; ; 23
Disciplina	581.4 583.69
Soggetti	Plant genetics Botanical chemistry Plants - Development Plant physiology Plants - Evolution Plant biotechnology Plant Genetics Plant Biochemistry Plant Development Plant Physiology Plant Evolution Plant Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Taxonomy and Natural History of Linum -- The gene pool of Linum usitatissimum and immediate progenitor Linum bienne -- Flax breeding and variety release -- The flax genome sequence: a core resource for flax genomics -- The assembly of the flax genomes into chromosomes -- Comparisons between oil-seed and fiber flax genomes -- The Linum transcriptome -- Mapping resources -- molecular markers, mapping populations -- Flax transposable elements -- Flax small RNAs -- Gene mutagenesis systems in the fatty acid pathway -- Gene mutagenesis systems and resources for the flax

- TILLING, transposons -- QTL mapping -- FLAX CELL WALLS AND FIBER -- FLAX TRANSFORMATION -- Linum Bioinformatics Resources -- Flax disease resistance genes -- Genomic and phenotypic responses of flax to stress -- Flax secondary products -- Flax cyclic peptides -- Medicinal uses of flax -- Transgenic flax and the Triffid affair -- Fundamental insights into plant biology that might be offered by Linum -- Index.

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Sommario/riassunto

Linum (flax) is a genus of about 200 species in the flowering plant family Linaceae. The genus includes common flax, which is one of the best fibers to produce linen, the seeds to produce linseed oil and has health-related properties of flax in human and animal nutrition. This book describes the genetics and genomics of Linum including the development of extensive experimental resources (e.g. whole genome sequence, efficient transformation methods, insertional mutant collections, large germplasm collections, resequenced genomes) that have led much progress and its economic importance. The methods and use of Linum to address a wide range of applications (e.g. disease resistance, cell wall composition, abiotic stress tolerance, floral development, natural diversity) is also discussed.

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