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Altri autori (Persone)	CloutierSylvie RagupathyRaja
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Nota di contenuto	Intro -- FLAX LIPIDS: CLASSES, BIOSYNTHESIS, GENETICS AND THE PROMISE OF APPLIED GENOMICS FOR UNDERSTANDING AND ALTERING OF FATTY ACIDS -- FLAX LIPIDS: CLASSES, BIOSYNTHESIS, GENETICS AND THE PROMISE OF APPLIED GENOMICS FOR UNDERSTANDING AND ALTERING OF FATTY ACIDS -- Chapter 1 LIPID CLASSES, LOCALIZATION, BIOSYNTHESIS AND REGULATION -- 1.1. FLAX SEED LIPID CLASSES -- 1.1.1. Fatty Acyls -- 1.1.2. Glycerolipids -- 1.2. LIPID LOCALIZATION -- 1.2.1. Stem -- 1.2.2. Leaves -- 1.2.3. Flower -- 1.2.4. Seeds -- 1.2.4.1. Features of Seed Fatty Acids -- 1.2.4.2. Fatty Acid Composition of Flax Seeds -- 1.2.4.3. TAG Composition of Flax Seeds -- 1.3. GENETIC CONTROL, BIOSYNTHESIS AND REGULATION OF FLAX SEED LIPIDS -- 1.3.1. Genetic Control of Polyunsaturated Fatty Acids (PUFAs) -- 1.3.2. Biosynthesis and Regulation of PUFAs -- Chapter 2 CURRENT TRENDS AND FUTURE PERSPECTIVES IN APPLIED GENOMICS AND TRANSGENIC RESEARCH IN FLAX -- 2.1. TRANSCRIPTOMICS AND GENE DISCOVERY -- 2.2. MOLECULAR MARKER SYSTEMS FOR GERMPLASM CHARACTERIZATION -- 2.3. LINKAGE MAPS -- 2.4. QUANTITATIVE TRAIT LOCUS (QTL) ANALYSIS -- 2.5. BAC LIBRARIES AND THE FLAX GENOME INITIATIVE -- 2.6. TRANSGENIC PLANTS -- 2.6.1. Increased Oil Content -- 2.6.2. Modification of Fatty Acid Composition for Food Uses -- 2.6.3. Modification of the Fatty

Acid Profile for Industrial Purposes -- 2.7. TILLING AND ECOTILLING
FOR FLAX IMPROVEMENT -- CONCLUSION -- REFERENCES -- INDEX --
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Sommario/riassunto

Flax is a multi-purpose crop with emerging markets for its industrial, food and feed uses. This title summarises knowledge of different lipid classes found in flax, their localisation and genetic control, and the regulation of flax seed lipid biosynthesis.
