Record Nr. UNINA9910789747303321 Advanced oil crop biorefineries [[electronic resource] /] / edited by Titolo Abbas Kazmi Pubbl/distr/stampa Cambridge,: RSC Pub., 2012 **ISBN** 1-62198-131-2 1-84973-273-6 Descrizione fisica 1 online resource (337 p.) Collana RSC green chemistry, , 1757-7039 ; ; no. 14 Altri autori (Persone) KazmiAbbas Disciplina 662.88 Soggetti Biomass energy Oilseed plants - Biotechnology Energy crops Vegetable oils Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto i-iv; v-vi; vii-x; 1-47; 48-101; 102-165; 166-202; 203-279; 280-310; 311-326 Sommario/riassunto In Europe, the main oil-rich crops are sunflower, rapeseed and olive which are grown primarily for food. This book discusses how to convert this whole crop into energy (fuels, power and heat), food and bioproducts (chemicals and/or materials), whilst making optimal use of the by-products generated during farming/harvesting, primary processing (oil extraction and refining) and secondary processing (transesterification). The resulting processes are more economically competitive and the business margin for oil and biodiesel manufacturers is improved. Previously, oil crops have been the main point