1. Record Nr. UNINA9910139032803321

Titolo	Bioenergy feedstocks [[electronic resource]] : breeding and genetics / / edited by Malay C. Saha, Hem S. Bhandari, Joseph H. Bouton
Pubbl/distr/stampa	[Hoboken, N.J.], : Wiley-Blackwell, 2013
ISBN	1-118-60945-X 1-118-60947-6 1-299-44953-0 1-118-61769-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (649 p.)
Collana	Biomass and biofuels series
Altri autori (Persone)	SahaMalay C BhandariHem Singh BoutonJoseph H <1948-> (Joseph Henry)
Disciplina	631.5/8
Soggetti	Energy crops Energy crops - Breeding Energy crops - Genetics
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 and index.
Nota di contenuto	Switchgrass genetics and breeding challenges -- Switchgrass genomics -- Germplasm resources of Miscanthus and their application in breeding -- Breeding Miscanthus for bioenergy -- Breeding sorghum as a bioenergy crop -- Energy cane -- Breeding maize for lignocellulosic biofuel production -- Underutilized grasses -- Alfalfa as a biofuel crop -- Transgenics for biomass -- Endophytes in low input agriculture and plant biomass production.
Sommario/riassunto	Bioenergy and biofuels are generated from a wide variety of feedstock. Fuels have been converted from a wide range of sources from vegetable oils to grains and sugarcane. Second generation biofuels are being developed around dedicated, non-food energy crops, such as switchgrass and Miscanthus, with an eye toward bioenergy sustainability. Bioenergy Feedstocks: Breeding and Genetics looks at advances in our understanding of the genetics and breeding practices across this diverse range of crops and provides readers with a valuable tool to improve cultivars and increase energy crop yiel