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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
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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 yield
