

1. Record Nr.	UNINA9910140168603321
Titolo	Biofuels from agricultural wastes and byproducts // edited by Hans P. Blaschek, Thaddeus C. Ezeji, Jurgen Scheffran ; Largus T. Angenent [and twenty four others], contributors
Pubbl/distr/stampa	Ames, Iowa : , : Wiley-Blackwell, , 2010 ©2010
ISBN	0-470-96168-6 0-8138-2271-8 0-8138-2368-4
Descrizione fisica	1 online resource (276 p.)
Disciplina	662.88
Soggetti	Agricultural wastes as fuel Biomass energy Electronic books.
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 at the end of each chapters and index.
Nota di contenuto	Biofuels from Agricultural Wastes and Byproducts; Contents; About the Editors; Contributors; Chapter 1: Biofuels from Agricultural Wastes and Byproducts: An Introduction; Chapter 2: Production of Liquid Biofuels from Biomass: Emerging Technologies; Chapter 3: Butanol Production from Lignocellulosic Biomass; Chapter 4: Practical Aspects of Methane Production from Agricultural Wastes; Chapter 5: Conversion of Agricultural Residues to Bioethanol: The Roles of Cellulases and Cellulosomes; Chapter 6: Fuel and Chemical Production from Glycerol, a Biodiesel Waste Product Chapter 7: Farm-Gate to Plant-Gate Delivery of Lignocellulosic Feedstocks from Plant Biomass for Biofuel Production Chapter 8: Conversion of Existing Dry-Mill Ethanol Operations to Biorefineries; Chapter 9: Cellulosic Ethanol from Agricultural Residues; Chapter 10: Hydrothermal Liquefaction to Convert Biomass into Crude Oil; Chapter 11: Detoxification of Lignocellulosic Hydrolysates; Index
Sommario/riassunto	Traditional agriculture and emerging biofuels technology produce a

number of wastes and by-products, ranging from corn fiber and glycerin to animal manure, that have the potential to serve as the basis for additional sources of bioenergy that includes both liquid biofuels and biogas. Biofuels from Agricultural Wastes and Byproducts is the first book to focus solely on the production of biofuels primarily from agricultural waste and by-products. The book is divided roughly into two sections. The first section looks at liquid biofuel production from agricultural byproducts, densification of agri

---