

1.	Record Nr.	UNINA9910140986903321
	Titolo	2010 9th IEEE/IAS International Conference on Industry Applications
	Pubbl/distr/stampa	[Place of publication not identified], : I E E E, 2010
	ISBN	9781424480104 1424480108 9781424480098 1424480094
	Soggetti	Enginyeria elèctrica Congressos Llibres electrònics
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
2.	Record Nr.	UNINA9911020072203321
	Titolo	Biofuels / / edited by Wim Soetaert, Erick J. Vandamme
	Pubbl/distr/stampa	Chichester, U.K., : Wiley, 2009
	ISBN	9786612010682 9780470754108 0470754109 9780470754092 0470754095 9781282010680 1282010689 9781119965367 1119965365
	Descrizione fisica	xiv, 242 p. : ill
	Collana	Wiley series in renewable resource
	Altri autori (Persone)	SoetaertWim VandammeErick J. <1943->
	Disciplina	333.95/39
	Soggetti	Biomass energy - Technological innovations Biomass energy - Economic aspects Renewable natural resources

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Biofuels Biofuels The use of biofuels is rapidly gaining momentum all over the world, and can be expected to have an ever increasing impact on the energy and agricultural sector in particular. Biofuels covers the use and conversion technologies of biomass as a renewable resource to produce bioenergy in a sustainable way, mainly in the form of liquid and gaseous biofuels. It gives a broad overview of biofuel developments from both a technical and an economical angle. The different production technologies for biofuels that exist or are under development are extensively covered in depth, dealing with both first generation as well as second generation technologies. Market developments in the sector, including trends on prices, markets and growth are also discussed. The link between the technical and economical developments are indicated throughout the text. The interactions between the technical, economical and ecological aspects are clearly expressed in this volume and are actually covered here for the first time in a single comprehensive volume. This comprehensive text will prove useful for chemists, biologists and engineers working in the emerging biofuels industry, for researchers and academics interested in the field, as well as for those active in conventional fuel companies. The book is also relevant to people active in policy or financing, either within the government, industry or academia. This volume offers an excellent source of useful information and allows reflection about the bio-based economy in general. Topics covered include: * Process Technologies for Bio-ethanol Production * Process Technologies for Biodiesel Production * Bio-based Fischer-Tropsch Diesel Production * Biomass Digestion to Methane * Biological Hydrogen Production * Feedstocks for Biorefineries * Sustainability of Biofuels