

1. Record Nr.	UNINA9910458902003321
Autore	Gupta Ram B.
Titolo	Gasoline, diesel, and ethanol biofuels from grasses and plants / / Ram B. Gupta, Ayhan Demirbas [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2010
ISBN	1-107-20847-5 1-282-90808-1 9786612908088 0-511-77915-1 0-511-92294-9 0-511-93104-2 0-511-93238-3 0-511-92720-7 0-511-92466-6 0-511-92970-6
Descrizione fisica	1 online resource (xiv, 230 pages) : digital, PDF file(s)
Disciplina	662/.88
Soggetti	Plant biomass Forest biomass Biomass energy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. Air pollution and global warming from the use of fossil fuels -- 3. Renewable energy sources -- 4. Biomass availability in the world -- 5. Convention ethanol production from corn and sugarcane -- 6. Ethanol from biomass by fermentation -- 7. Biodiesel from vegetable oils -- 8. Diesel from biomass gasification followed by Fischer-Tropsch synthesis -- 9. Bio-oil from biomass pyrolysis -- 10. Bio-crude from biomass hydrothermal liquefaction -- 11. Solar and wind energy for biofuel production -- 12. Environmental impacts of biofuels -- 13. Economic impact of biofuels -- 14. Biofuel policy.
Sommario/riassunto	The world is currently faced with two significant problems: fossil fuel depletion and environmental degradation, which are continuously being

exacerbated due to increasing global energy consumption. As a substitute for petroleum, renewable fuels have been receiving increasing attention due a variety of environmental, economic, and societal benefits. The first-generation biofuels - ethanol from sugar or corn and biodiesel from vegetable oils - are already on the market. The goal of this book is to introduce readers to second-generation biofuels obtained from non-food biomass, such as forest residue, agricultural residue, switch grass, corn stover, waste wood, municipal solid wastes, and so on. Various technologies are discussed, including cellulosic ethanol, biomass gasification, synthesis of diesel and gasoline, bio-crude by hydrothermal liquefaction, bio-oil by fast pyrolysis, and the upgradation of biofuel. This book strives to serve as a comprehensive document presenting various technological pathways and environmental and economic issues related to biofuels.

2. Record Nr.	UNINA9910707475103321
Autore	Zohdy Adel A. R. <1935-2014, >
Titolo	Geometric factors of bipole-dipole arrays // by Adel A.R. Zohdy
Pubbl/distr/stampa	[Washington, D.C.] : , : United States Department of the Interior, Geological Survey, , 1970 Washington : , : United States Government Printing Office
Descrizione fisica	1 online resource (iv, 26 pages) : illustrations
Collana	Geological Survey bulletin ; ; 1313-B
Soggetti	Earth resistance (Geophysics) Electric currents
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed September 15, 2014). "New Techniques in direct-current resistivity exploration." "Nomograms, curves, and tables simplify evaluation of geometric factors of azimuthal, perpendicular, and parallel bipole-dipole electrode arrangements for measuring electrical resistivities of the earth."
Nota di bibliografia	Includes bibliographical references (pages 26).

