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Nota di contenuto	1 Biofuel Production Technologies, Comparing the Biofuels and Fossil Fuels -- 2 Microbiological aspects of bioenergy production: Recent update and future directions -- 3 A Comprehensive Review on Microbial Technology for Biogas Production -- 4 Biohydrogen Production from Biomass -- 5 Recent updates of biodiesel production: Source, production methods and metagenomic approach -- 6 Process Modelling and Simulation of Biodiesel Synthesis Reaction for Non-edible Yellow -- 7 Microbial Xylanases: A Helping Module for the Enzyme Biorefinery Platform -- 8 Analysis of various green methods to synthesize nanomaterials: An Ecofriendly Approach. .
Sommario/riassunto	This volume is second part of the five-part set on bioenergy research. This book provides new insight about the latest development in bioenergy research. It presents the various bioenergy options which are further explored for practical viability, their progress and utility in the industry. The main objective of the book is to provide insights into the

opportunities and required actions for the development of an economically viable bioenergy industry for practical replacement of fossil fuels. This book is of interest to teachers, researchers, scientists, capacity builders and policymakers. Also the book serves as additional reading material for undergraduate and graduate students of environmental sciences. National and international bioenergy scientists, policy makers will also find this to be a useful read. Other four volumes of this set explore basic concepts, commercial opportunities, waste to energy and integrated solution for bioenergy concerns.