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Titolo	Biomass, Biorefineries and Bioeconomy // edited by Mohamed Samer
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Descrizione fisica	1 online resource (322 pages)
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Soggetti	Biomass energy
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Livello bibliografico	Monografia
Nota di contenuto	<p>1. An Approach to Modify the Current Agricultural and Agro-Industrial Systems into Integrated Bioindustrial Systems and Biorefineries to Develop Sustainable Bioeconomy 2. Economic Assessment of Biomass Based Power Generation 3. Assessment of the Impacts of an Inheritance Taxation Relief on the Profitability of Forest Investments 4. Effects of Veld Degradation on Biomass Production in the Arable Lands of South Africa 5. Steam Explosion Pretreatment: Biomass Waste Utilization for Methane Production 6. Utilization of Wood Biomass Ash in Concrete Industry 7. Peat as a Potential Biomass to Remove Azo Dyes in Packed Biofilters 8. Reducing Clogs in Power Boiler Biomass Feeding System 9. Biotisation of Vegetables 10. Challenging Biomass Feedstocks for Energy and Chemicals 11. Valorization of Biomass as a Raw Material to Obtain Products of Industrial Interest 12. Conventional and Unconventional Transformation of Cocoa Pod Husks into Value-Added Products 13. Systematic Generation of Reactions Pathways for Manufacturing Bulk Industrial Chemicals from Biomass 14. Bioenergy Production: Emerging Technologies 15. Biomass and Energy Production: Thermochemical Methods 16. Advances in Bioenergy Production Using Fast Pyrolysis and Hydrothermal Processing 17. Comparative Analysis of Biodiesel Production from Different Potential Feedstocks in the Philippines.</p>
Sommario/riassunto	<p>This book comprehensively reviews biomass and bioeconomy, biomass production and treatment, biomass utilization, biomass biorefineries, and bioenergy generation from biomass. It discusses topics focusing on the concept of circular and sustainable bioeconomy, economic assessment of biomass utilization, biomass valorization, biomass</p>

pretreatment, bioprocessing of biomass using integrated bioindustrial systems, and production of value-added biochemicals and bioenergy from biomass.
