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Nota di contenuto	Chapter 1. Bioenergy Production: Opportunities for Microorganisms (Part I) -- Chapter 2. Bioenergy Production: Opportunities for Microorganisms (Part II) -- Chapter 3. Value Added Products From Agriculture, Paper And Food Waste: A Source Of Bioenergy Production -- Chapter 4. Advancements in Diatom Algae based Biofuels -- Chapter 5. Valorization of Cellulosic and SAP based Baby Diaper Waste into Functional Products: Analyses and Bioenergy Potential -- Chapter 6. Role of Operational Parameters to Enhance Biofuel Production -- Chapter 7. Advances In Bioethanol Production: Processes And Technologies -- Chapter 8. Sustainable routes for renewable energy carriers in modern energy systems -- Chapter 9. Microalgae based biofuel- integrated biorefinery approach as sustainable feedstock for resolving energy crisis. Chapter 10. Substrate characterization in the anaerobic digestion process.
Sommario/riassunto	This volume is third part of the five-part set on bioenergy research. This book provides insights into commercial advantages of commonly running bioenergy options. It explores various opportunities present at technical scale to produce biofuels. Moreover, the additional practical feasibility of the commercialization of existing biofuels including existing challenges and sustainable solutions to overcome from these technical hurdles. This Volume also focuses on the durability and long

run sustainability on the new arrival of biofuels options which can be a suitable and easy replacement of currently available biofuels at pilot scale. Other four volumes of this set explore basic concepts, latest progress, bio-waste to energy conversion and integrated solution for bioenergy concerns. .

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