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Nota di contenuto	Chapter 1. Biohydrogen from the organic fraction of municipal solid waste -- Chapter 2. Biohydrogen from food waste -- Chapter 3. Biohydrogen from fruit and vegetable industry wastes -- Chapter 4. Biohydrogen from Distillery Wastewater: Opportunities and feasibility -- Chapter 5. Biohydrogen from pentose-rich lignocellulosic biomass hydrolysate -- Chapter 6. Biohydrogen Production using Cheese Industry Waste: Current trends and Challenges -- Chapter 7. Methods of biological hydrogen production from industrial waste -- Chapter 8. INNOVATIVE TECHNOLOGIES FOR BIOHYDROGEN PRODUCTION AT INDUSTRIAL LEVEL -- Chapter 9. Thermochemical conversion of lignocellulosic biomass for biohydrogen production -- Chapter 10. Nanotechnological approaches in biohydrogen production -- Chapter 11. Microalgal biomass as a promising feedstock for the production of Biohydrogen: A comprehensive review -- Chapter 12. Biohydrogen: Future energy source for the society.
Sommario/riassunto	This book provides an updated knowledge on the biohydrogen production from industrial and municipal organic waste materials. Microbes are increasingly being included in the hydrogen based biofuel production and this book covers the processes and protocols for biohydrogen production. There is an urgent need of alternative energy

research to fulfill the global energy demand. Biohydrogen is a promising source of sustainable and clean energy as it harnessed by biological means. Biohydrogen may be produced by utilizing different waste materials as a substrate, and by optimization of various parameters of bioreactors such as temperature, pH, partial pressure etc. The waste materials used in hydrogen production are categorized as agricultural waste, municipal waste, industrial waste, and other hazardous wastes. Biohydrogen production from wastes materials opened a new opportunity for the widespread use of everlasting renewable energy source. This book is useful for professional scientists, academicians, biotechnologist and environmentalist along with research scholars in various biotechnology and bioenergy industries by addressing the latest research going on in the field of renewal bioenergy production from waste and their global impact on the environment.
