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Nota di contenuto	Chapter 1. Biotechnological approaches to enhance algae biofuel production -- Chapter 2. The use of omics technologies, random mutagenesis, and genetic transformation techniques to improve algae for biodiesel industry -- Chapter 3. Algal butanol production: recent developments -- Chapter 4. Algal synthesis of gold nanoparticles: applications in bioenergy -- Chapter 5. Challenges assessment in economic Algal biofuel Production -- Chapter 6. Influence of culture conditions on the microalgae biomass and lipid accumulation -- Chapter 7. Advanced genetic approaches towards custom design microalgae for fourth-generation biofuels -- Chapter 8. Algal biofuel production from municipal waste waters -- Chapter 9. Positive influence and future perspective of marine alga on biofuel production -- Chapter 10. Algae bacterial mixed culture for waste to wealth conversation: a case study.
Sommario/riassunto	This edited book presents all feasible approaches to improve technology of algal biofuels production at both qualitative and quantitative front. The book’s focus in on enhancing mass scale production of algae based biofuels by addressing technological issues and filling the existing gaps to make it smooth for practical as well as

commercial implementation. The book also explores in depth analysis of various issues other than technology and related to improve technological significance for practical biofuels production from algae. Low cost strategies and higher mass production is one of the most sounding agenda of the book. The book also evaluates enlighten various sustainable algal biofuels options which are close towards commercial application along with their green future prospect. Societal and environment friendly approach even for commercial application has also been discussed in book. This is a useful reading material for researchers and students of biofuels and reneable energy. .