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Titolo	Basic Research Advancement for Algal Biofuels Production / / edited by Neha Srivastava, P.K. Mishra
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Descrizione fisica	1 online resource (280 pages)
Collana	Clean Energy Production Technologies, , 2662-687X
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Nota di contenuto	Chapter. 1. Recent advancements in municipal wastewater as source of biofuels from algae -- Chapter. 2. Recent trends for production of biofuels using algal biomass -- Chapter. 3. Microbial mats and its significance in biofuel production -- Chapter. 4. Algal biohydrogen production: opportunities and challenges -- Chapter. 5. Using Algae as a Renewable Source in the Production of Biodiesel -- Chapter. 6. Various applications to macroalgal and microalgal biomasses for biohydrogen and biomethane production -- Chapter. 7. Algal biofuels: clean energy to combat the climate change -- Chapter. 8. Thermo-kinetic study of Arthrospira platensis microalgae pyrolysis: Evaluation of kinetic and thermodynamics parameters -- Chapter. 9. Growth of Chlorella minutissima microalgae from fruit waste extract for biodiesel production -- Chapter. 10. Microalgae: A way towards sustainable development of a society.
Sommario/riassunto	The edited book presents sustainable adopting options in basic research for improving algal biofuels production. This book is probably first book on algal biofuels which is focused on improving the primary basic research to enhance mass scale technological production of algal

biofuels. The book explores significance of basic bench top research to increase pilot scale production of algal biofuels. The books also targeting the most sustainable and economical algal biofuels option with in depth details. Further, it highlights the existing roadblock, their analysis and eco-friendly solution to control them in most greenery way. This book is highly useful for academicians, researchers and industries professionals and of high interest for students of bioenergy, sustainable practices and renewable energy.
