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Nota di contenuto	1 Green Route Synthesis of Biomass Based Materials for Energy Production -- 2 Green Synthesized Bimetallic Nanomaterials for Bio-energy Applications -- 3 Green Synthesis of Metallic Nanoparticles for Biofuel Production -- 4 Recent advances in synthesis of Iron nanoparticles via green route and their application in biofuel production -- 5 Green synthesized carbon and metallic nanomaterials for biofuel production: Effect of operating parameters -- 6 Biosynthesis of TiO2 Nanoparticles and their Application as Catalyst in Biodiesel Production -- 7 Phyco-Nanotechnology: An Emerging Nanomaterial Synthesis Method and its Applicability in Biofuel Production -- 8 Fungi mediated green synthesis of Nanoparticles and their Renewable energy applications -- 9 Green synthesis of nanoparticles by plants and their renewable energy applications -- 10 Recent Advances in Conversion of Agricultural Waste to Biofuel by Nanoparticles.
Sommario/riassunto	This edited book presents nanotechnology-based approaches to improve quality of biofuels production. It covers the use of different nanomaterials in various biofuels production methods and their sustainable utility analysis to improve production of biofuels at economical and mass scale. Environmentally friendly, low cost, and synthesis via green and renewable resources are the main key features

covered by this book. Advantages and sustainability scope of green and renewable material to synthesize nanomaterial and reduction in synthesis cost over to chemical synthesis cost have been discussed in this book. The book also explores various green synthesis possibilities to synthesize nanomaterials that are frequently involved in biofuels production process as catalysts. Various feasible mechanisms have also been explained. Maximum and sustainable use of green nanomaterials at every step of biofuels production is also one of the major focuses of this book. It covers mega audiences, which include academician, researchers, and industries people. This book will be highly interesting for researchers and scientists as well as related industries.