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Nota di contenuto	List of Contributors Foreword Acknowledgements 1 Nanocatalysts and biofuels: Applications and future challenges Desikan Ramesh, Thangavelu Kiruthik, Balasubramaniam Prabha, Maduraimuthu Djanaguiraman and Subbramu Karthikeyan 2 Nanomaterials: Types, Synthesis, and Characterization Zahra Vaseghi, Ali Nematollahzadeh 3 Recent advances on classification, properties, synthesis and characterization of nanomaterials Veer Singh, Priyanka Yadav, Vishal Mishra 4 Synthesis of metallic and metal oxide nanomaterials Ayse Demirbas, Tuna Karaytug, Nihan Arabaci, Ebru Sebnem Yilmaz, Ismail Ocsoy 5 Analysis of various green methods to synthesize nanomaterial Pavlos Nikolaidis 6 Biosynthesis of Silver Nanoparticle from Acacia nilotica (L.)Wild. Ex. Delile Leaf Extract Karishma I Sheikh and Kalpesh B Ishnava 7 Nanomaterials for enzyme immobilization Nihan Arabaci, Tuna Karaytug, Ayse Demirbas, Ismail Ocsoy, Ahmet Kati 8 Nanomaterial Biosynthesis and Enzyme Immobilization: Methods and applications Indu, Ankush, Mrinal Kanti Mandal, Kashyap Kumar Dubey 9 Carbon nanotubes for hydrogen purification and storage Pietro Bartocci, Giovanni Russo, Haiping Yang, Song Hu, Oyvind Skreiberg, Liang Wang, Fausto Gallucci, Gianni Bidini, Francesco Fantozzi Index
Sommario/riassunto	"Green Synthesis of Nanomaterials for Bioenergy Applications highlights

the fabrication of nanomaterial applying low cost, green methods and its impact on various existing bioenergy applications. The book will also summarize the quest for an environmentally sustainable synthesis process of nanomaterials for their application to the field of environmental sustainability. By exploring more reliable and sustainable processes for the synthesis of nanomaterials, economically viability of low-cost biofuels production may enhance commercial applications"--
