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Nota di contenuto	Front matter -- Contents -- List of contributing authors -- 1. Matching the biomass to the bioproduct / Forde, Gareth M. / Rainey, Thomas J. / Speight, Robert / Batchelor, Warren / Pattenden, Leonard K. -- 2. Systems biology in biofuel / Liang, Meng / Zhou, Xiaowei / Xu, Chunping -- 3. Production and application of chitin / Berezina, Nathalie -- 4. Biological production of welan gum / Li, Hui / Zhu, Hu / Sun, Shiwei / Feng, Zhimei / Sun, Yajie / Zhou, Wanlong -- 5. Utilization of food waste for fermentative hydrogen production / Wei, Han / Junhong, Tang / Yongfeng, Li -- 6. Bacterial dye-decolorizing peroxidases / Chen, Chao / Li, Tao -- 7. Biological routes to itaconic and succinic acids / Chang, Pei-Ching / Hsu, Hsi-Yen / Jang, Guang-Way -- 8. Novel nanoparticle materials for drug/food delivery-polysaccharides / Chen, Lei / Liu, Xingxun / Wong, Ka-Hing -- Index
Sommario/riassunto	In times of declining fossil stocks, science and industry have to find alternative resources for the production of fuels and chemicals. This book presents techniques for the utilization of biomass and waste as raw materials for the production of platform molecules, biopolymers, bioplastics, and bioethanol. Latest research results as well as industrial application thereof are discussed.

