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Nota di contenuto	1. Photobioreactors for the production of microalgae / F.G. Acien, E. Molina, A. Reis, G. Torzillo, G.C. Zittelli, C. Sepulveda, J. Masojidek -- 2. Heterotrophic and mixotrophic microalgae cultivation / S. Velea, F. Oancea, F. Fischer -- 3. Microalgae cultivation in wastewater / E. Posadas, C. Alcantara, P.A. Garcia-Encina, L. Gouveia, B. Guieysse, Z. Norvill, F.G. Acien, G. Markou, R. Congestri, J. Koreiviene, R. Munoz -- 4. Applications of genome-scale metabolic models of microalgae and cyanobacteria in biotechnology / S. Gudmundsson, L. Agudo, J. Nogales -- 5. Harvesting of microalgae : overview of process options and their strengths and drawbacks / K. Muylaert, L. Bastiaens, D. Vandamme, L. Gouveia -- 6. Cell disruption technologies / E. D'Hondt, J. Martin-Juarez, S. Bolado, J. Kasperoviciene, J. Koreiviene, S. Sulcius, K. Elst, L. Bastiaens -- 7. Biogas production from microalgae / C. Cavinato, A. Ugurlu, I. de Godos, E. Kendir, C. Gonzalez-Fernandez -- 8. Breakthroughs in bioalcohol production from microalgae : solving the hurdles / J. Martin-Juarez, G. Markou, K. Muylaert, A. Lorenzo-Hernando, S. Bolado -- 9. Biohydrogen production from microalgae / G. Buitron, J. Carrillo-Reyes, M. Morales, C. Faraloni, G. Torzillo -- 10. Biodiesel from microalgae / L. Gouveia, A.C. Oliveira, R. Congestri, L.

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Sommario/riassunto

This book compiles contributions from authors from different areas and backgrounds who explore the cultivation and utilization of microalgae biomass for sustainable fuels and chemicals.
