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Microalgal Biotechnology: Potential and Production

By Clemens Posten

Walter De Gmbh Gruyter Jan 2013, 2013. Buch. Condition: Neu. Neuware - With the high interest in renewable resources, the field of algal biotechnology has undergone a huge leap in importance in recent years. The book treats the biological fundamentals of microalgal biotechnology in physiology and molecular biology and provides an overview of applications and products. It furthermore includes a survey of the state-of-the-art in process engineering of algae cultivation starting with mass production in open ponds and leading you to advanced technologies in closed photobioreactors. Thus crucial enabling technologies reaching from genetic manipulation to bioprocess engineering are reviewed. Contributions from academia and industrial case studies make this book a comprehensive survey of current progress in microalgae biotechnology. So this book will be of interest to active people in biology, biotechnology, and engineering in the area of sustainable production of high value products or mass production of food and fuel for the future. 266 pp. Englisch.



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