



Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production

F.G. Acién, J.M. Fernández, E. Molina-Grima

Download now

[Click here](#) if your download doesn't start automatically

Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production

F.G. Acién, J.M. Fernández, E. Molina-Grima

Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production F.G. Acién, J.M. Fernández, E. Molina-Grima

Microalgae have been proposed as the potential source for a wide range of products, ranging from fine chemicals and pharmaceuticals to foods and feeds and as a biofuel source. However, only a few are successful on an industrial scale due to the high cost associated with the production of microalgae biomass. This chapter presents an economic analysis of various processes based on microalgae: from high-value products like astaxanthin to low-value products like biofuels. The target is to identify major factors contributing to production costs as a tool for the improvement of existing processes but also to assist in the design of new, more reliable processes. The results of our analysis demonstrate that for the production of high-value compounds, high-energy-demanding processes can be carried out, including with low productivity, whereas for the production of low-value compounds it is mandatory to minimize power consumption and improve productivity. More precisely, biomass productivity is the major factor impacting the unit production cost, whatever the product; therefore, to optimize the productivity of microalgae production systems, it is mandatory to improve the economic viability of microalgae-based processes.

 [Download Biofuels from Algae: Chapter 14. Economics of Micr ...pdf](#)

 [Read Online Biofuels from Algae: Chapter 14. Economics of Mi ...pdf](#)

Download and Read Free Online Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production F.G. Ación, J.M. Fernández, E. Molina-Grima

From reader reviews:

David Pimentel:

The reason why? Because this Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production is an unordinary book that the inside of the e-book waiting for you to snap this but latter it will zap you with the secret this inside. Reading this book next to it was fantastic author who else write the book in such awesome way makes the content inside of easier to understand, entertaining means but still convey the meaning entirely. So , it is good for you because of not hesitating having this anymore or you going to regret it. This book will give you a lot of positive aspects than the other book have such as help improving your talent and your critical thinking method. So , still want to hesitate having that book? If I were you I will go to the reserve store hurriedly.

Margaret Gentile:

Would you one of the book lovers? If so, do you ever feeling doubt if you are in the book store? Try to pick one book that you never know the inside because don't determine book by its cover may doesn't work here is difficult job because you are scared that the inside maybe not because fantastic as in the outside look likes. Maybe you answer could be Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production why because the excellent cover that make you consider with regards to the content will not disappoint you actually. The inside or content is fantastic as the outside or even cover. Your reading sixth sense will directly make suggestions to pick up this book.

Denise Dennis:

Is it anyone who having spare time and then spend it whole day simply by watching television programs or just resting on the bed? Do you need something totally new? This Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production can be the reply, oh how comes? A book you know. You are therefore out of date, spending your time by reading in this completely new era is common not a nerd activity. So what these guides have than the others?

Stephanie Armstrong:

A lot of guide has printed but it differs from the others. You can get it by world wide web on social media. You can choose the most beneficial book for you, science, comedian, novel, or whatever by searching from it. It is known as of book Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production. You can include your knowledge by it. Without leaving the printed book, it might add your knowledge and make an individual happier to read. It is most significant that, you must aware about book. It can bring you from one destination for a other place.

**Download and Read Online Biofuels from Algae: Chapter 14.
Economics of Microalgae Biomass Production F.G. Acién, J.M.
Fernández, E. Molina-Grima #73H9IG2XWOU**

Read Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production by F.G. Ación, J.M. Fernández, E. Molina-Grima for online ebook

Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production by F.G. Ación, J.M. Fernández, E. Molina-Grima Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production by F.G. Ación, J.M. Fernández, E. Molina-Grima books to read online.

Online Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production by F.G. Ación, J.M. Fernández, E. Molina-Grima ebook PDF download

Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production by F.G. Ación, J.M. Fernández, E. Molina-Grima Doc

Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production by F.G. Ación, J.M. Fernández, E. Molina-Grima Mobipocket

Biofuels from Algae: Chapter 14. Economics of Microalgae Biomass Production by F.G. Ación, J.M. Fernández, E. Molina-Grima EPub