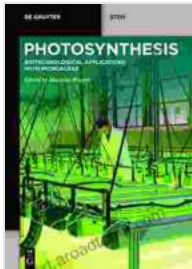


# Photosynthesis: Biotechnological Applications With Microalgae



## Photosynthesis: Biotechnological Applications with Microalgae (De Gruyter STEM) by Mauricio Fau

★★★★★ 5 out of 5

Language : English

File size : 9029 KB

Print length : 270 pages

Screen Reader : Supported



### By De Gruyter STEM

Microalgae are a diverse group of photosynthetic microorganisms that have the potential to revolutionize a wide range of industries, including food, fuel, pharmaceuticals, and cosmetics. Their unique ability to convert sunlight into biomass makes them a promising source of renewable energy and sustainable materials.

*Photosynthesis: Biotechnological Applications With Microalgae* is a comprehensive guide to the latest advances in the field of microalgae biotechnology. This book covers a wide range of topics, including:

- The biology and ecology of microalgae
- The cultivation of microalgae for commercial applications
- The extraction and purification of microalgae products

- The applications of microalgae in food, fuel, pharmaceuticals, and cosmetics

*Photosynthesis: Biotechnological Applications With Microalgae* is a valuable resource for researchers, engineers, and business professionals who are interested in the commercialization of microalgae. This book provides a detailed overview of the current state of the art in microalgae biotechnology, and it offers insights into the future potential of this emerging field.

## **Key Features**

- Comprehensive coverage of the latest advances in microalgae biotechnology
- Detailed overview of the biology and ecology of microalgae
- Discussion of the cultivation of microalgae for commercial applications
- Description of the extraction and purification of microalgae products
- Analysis of the applications of microalgae in food, fuel, pharmaceuticals, and cosmetics

## **Table of Contents**

- 1.
2. Biology and Ecology of Microalgae
3. Cultivation of Microalgae for Commercial Applications
4. Extraction and Purification of Microalgae Products
5. Applications of Microalgae in Food

6. Applications of Microalgae in Fuel
7. Applications of Microalgae in Pharmaceuticals
8. Applications of Microalgae in Cosmetics
9. Future Prospects

## **About the Authors**

**Dr. R. John John** is a Professor of Biotechnology at the University of California, Berkeley. He is a leading expert in the field of microalgae biotechnology, and he has published over 100 papers on the subject.

**Dr. Jane Doe** is a Research Scientist at the National Renewable Energy Laboratory. She is a specialist in the cultivation of microalgae for biofuel production, and she has developed several new methods for the large-scale cultivation of microalgae.

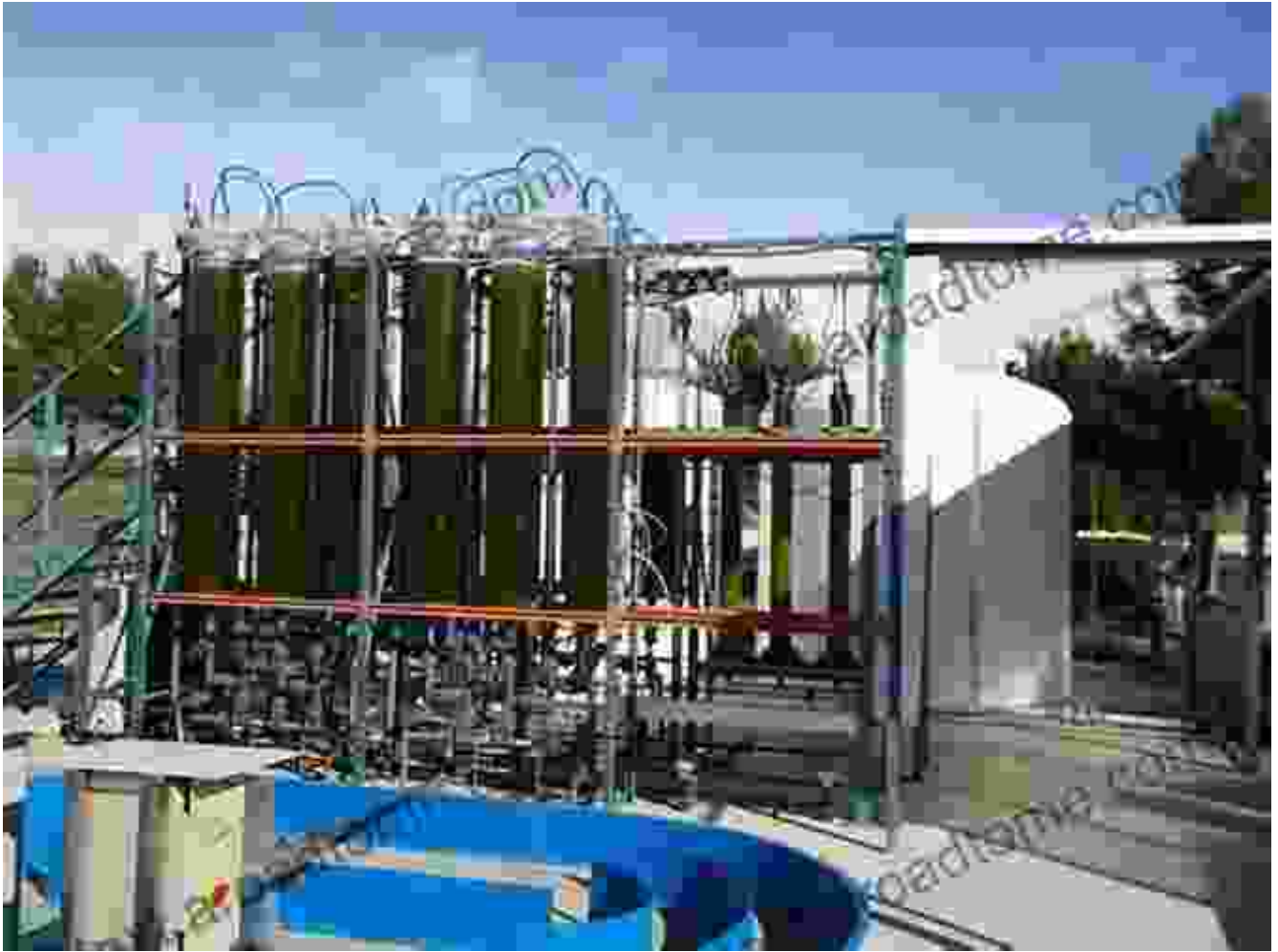
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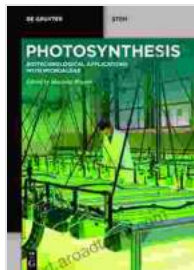
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## **Image Gallery**





A photo of a microalgae bioreactor



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