

1. Record Nr.	UNISALENTO991000886899707536
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Titolo	Determinazione delle costanti ottiche della calcite nell'infrarosso. Tesi di laurea / laureanda Anna Cinzia Marra ; relatore Vincenzo Orofino
Pubbl/distr/stampa	Lecce : Università degli Studi, Lecce. Facoltà di Scienze. Corso di laurea in Fisica, a.a. 1998-99
Descrizione fisica	108 p. : ill. ; 30 cm.
Altri autori (Persone)	Orofino, Vincenzo
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910810038903321
Titolo	Biofuels from algae / / edited by Ashok Pandey [and three others]
Pubbl/distr/stampa	Burlington, MA : , : Elsevier, , 2014
ISBN	0-444-59582-1
Edizione	[First edition.]
Descrizione fisica	1 online resource (xii, 338 pages) : illustrations (some color)
Collana	Gale eBooks
Disciplina	662.88
Soggetti	Biomass energy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Biofuels from Algae; Copyright; Contents; Contributors; Preface; Chapter 1: An Open Pond System for Microalgal Cultivation; 1.1. Introduction; 1.2. Biotechnology and Microalgae; 1.3. Open Pond Systems; 1.4. Main Microalgae Cultivated in Open Pond Systems; 1.4.1. Spirulina; 1.4.2. Chlorella; 1.4.3. Dunaliella; 1.5 Reactor Design; 1.6. Light Regime; 1.7. Hydrodynamics of the Reactor; 1.8. Fixation of Carbon Dioxide (CO ₂); 1.9. Temperature; 1.10. pH; 1.11. Sterility of Cultivation; 1.12. Biomass Harvest; 1.12.1. Sedimentation Using

Gravity; 1.12.2. Flocculation
 1.12.3. Centrifugation; 1.12.4. Filtration; 1.12.5. Flotation; 1.12.6. Electrophoresis; 1.13. Drying of Biomass; 1.14. Other Microalgal Culture Systems; 1.14.1. Closed Photobioreactors; 1.14.2. Hybrid Photobioreactors; 1.15. Applications of Biomass; 1.15.1. Food; 1.15.2. Drugs; 1.15.3. Biopigments; 1.15.4. Biopolymers; 1.15.5. Biofuels; 1.15.6. Biofertilizers; 1.16. Conclusion; References; Chapter 2: Design of Photobioreactors for Algal Cultivation; 2.1. Introduction; 2.2. Factors Affecting Microalgae Growth and Biofuels Production; 2.2.1. Carbon Sources; 2.2.2. Nitrogen Source; 2.2.3. Light Supply; 2.2.4. Temperature; 2.2.5. pH; 2.2.6. Salinity; 2.3. Photobioreactor Design Principles; 2.4. Microalgae Cultivation in Closed and Open PBRs for Biofuel Production; 2.4.1. Open Systems; 2.4.1.1. Simple Ponds; 2.4.1.2. Raceway Ponds; 2.4.2. Closed Systems; 2.4.2.1. Vertical Column Photobioreactors; 2.4.2.2. Flat Plate Photobioreactors; 2.4.2.3. Horizontal Tubular Photobioreactors; 2.4.3. General Discussion of Microalgae Cultivation Systems; 2.5. Commercial Microalgae Cultivation Systems for Biofuel Production; 2.6. Conclusions; References
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Sommario/riassunto

This book provides in-depth information on basic and applied aspects of biofuels production from algae. It begins with an introduction to the topic, and follows with the basic scientific aspects of algal cultivation and its use for biofuels production, such as photobioreactor engineering for microalgae production, open culture systems for biomass production and the economics of biomass production. It provides state-of-the-art information on synthetic biology approaches for algae suitable for biofuels production, followed by algal biomass harvesting, algal oils as fuels, biohydrogen product