



Algae for biofuels and energy

/

Borowitzka, Michael A.
Moheimani, Navid R. (Navid Reza)

Springer,
[2013]

Monografía

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbgVicmF0aW9uOmVzLmJhemF0ei5yZW4vNDQxMTM5MA>

Título: Algae for biofuels and energy Michael A. Borowitzka, Navid R. Moheimani, editors

Editorial: Dordrecht Springer [2013]

Descripción física: xi, 288 p. il. 28 cm

Mención de serie: Developments in applied phycology 5

Bibliografía: Includes bibliographical references and index

Contenido: 1. Energy from microalgae: A short history.- 2. Algal lipids and their metabolism.- 3. Hydrogenases, nitrogenases, anoxia, and H₂ production in water-oxidizing phototrophs.- 4. Species and strain selection.- 5. Limits to phototrophic growth in dense culture: CO₂ supply and light.- 6. Genetic engineering to improve algal biofuels production.- 7. Photobioreactors for microalgae biofuel production.- 8. Open pond culture systems.- 9. Wastewater treatment and algal biofuel production.- 10. Harvesting, thickening and dewatering microalgae biomass.- 11. Solvent extraction for microalgae lipids.- 12. Production and properties of biodiesel from algal oils.- 13. Energy considerations of photobioreactors.- 14. Greenhouse gas balance and algae-based biodiesel.- 15. Techno-economic modelling for biofuels from microalgae.- 16. Basic methods for measuring algae growth and composition

Formato físico adicional: Also issued online

ISBN: 9789400754782 p1s126.00 9789400754799 (eBook)

Materia: Energía de biomasa Algas- Biotecnología Productos de las algas

Autores: Borowitzka, Michael A. Moheimani, Navid R. (Navid Reza)

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60

- informa@baratz.es