

References

- [1] Goldemberg, J., and T. B. Johansson. "World Energy Assessment Overview: 2004 Update. United Nations Development Programme, New York, USA." 2004.
- [2] Energy Statistics, 2013, Central Statistics Office, National Statistical Organisation, Ministry Of Statistics and Programme Implementation, Government of India, 2013.
- [3] Nigam, Poonam Singh, and Anoop Singh. "Production of liquid biofuels from renewable resources." *Progress in Energy and Combustion Science* 37.1, pp. 52-68, 2011.
- [4] Schenk, Peer M., Skye R. Thomas-Hall, Evan Stephens, Ute C. Marx, Jan H. Mussgnug, Clemens Posten, Olaf Kruse, and Ben Hankamer. "Second generation biofuels: high-efficiency microalgae for biodiesel production." *Bioenergy research* 1, no. 1, pp. 20-43, 2008.
- [5] Dragone, Giuliano, Bruno Daniel Fernandes, António A. Vicente, and José A. Teixeira. "Third generation biofuels from microalgae." 2010.
- [6] Mata, Teresa M., Antonio A. Martins, and Nidia S. Caetano. "Microalgae for biodiesel production and other applications: a review." *Renewable and sustainable energy reviews* 14, pp. 217-232, 2010.
- [7] Goetheer, Earl Lawrence Vincent, Broeke Leo Jacques Pierre Van Den, Judith Jahn, Bos Willempje Antonie Patricia Van Den, and Cornelis Petrus Marcus Roelands. "COMBINING ALGAE CULTIVATION AND CO₂ CAPTURE." U.S. Patent 20,140,318,000, October 30, 2014.
- [8] Carlsson AS, van Beilen JB, Möller R, Clayton D. "Micro- and Macro-algae: Utility for Industrial Applications: Outputs from the EPOBIO Project", September 2007. CPL Press, 2007.
- [9] Melis, Anastasios, and Thomas Happe. "Hydrogen production. Green algae as a source of energy." *Plant physiology* 127.3, pp. 740-748, 2001
- [10] Chisti, Yusuf. "Biodiesel from microalgae." *Biotechnology advances* 25.3, pp. 294-306, 2007
- [11] Spoehr, H. A., and Harold W. Milner. "The chemical composition of Chlorella; effect of environmental conditions." *Plant physiology* 24, no. 1, p. 120, 1949
- [12] Rodolfi, Liliana, Graziella Chini Zittelli, Niccolò Bassi, Giulia Padovani, Natascia Biondi, Gimena Bonini, and Mario R. Tredici. "Microalgae for oil: Strain selection, induction of lipid synthesis and outdoor mass cultivation in a low-cost photobioreactor." *Biotechnology and bioengineering* 102, no. 1, pp. 100-112, 2009
- [13] Roessler, Paul G. "Environmental control of glycerolipid metabolism in microalgae: commercial implications and future research directions." *Journal of Phycology* 26, no. 3, pp. 393-399, 1990
- [14] Radakovits, Randor, et al. "Genetic engineering of algae for enhanced biofuel production." *Eukaryotic cell* 9.4, pp. 486-501, 2010
- [15] Fishman, D., R. Majumdar, J. Morello, R. Pate, and J. Yang. "National Algal Biofuels Technology Roadmap, US Department of Energy, Office of Energy Efficiency and Renewable Energy." Biomass Program, 2010.
- [16] Wang, Bei, Yanqun Li, Nan Wu, and Christopher Q. Lan. "CO₂ bio-mitigation using microalgae." *Applied Microbiology and Biotechnology* 79, no. 5, pp. 707-718, 2008.
- [17] Vengadaramana, A. "Industrial Important Microbial alpha-Amylase on Starch-Converting Process.", 2013.
- [18] Lin, Yan, and Shuzo Tanaka. "Ethanol fermentation from biomass resources: current state and prospects." *Applied microbiology and biotechnology* 69.6, pp. 627-642, 2006
- [19] Singh, Uday Bhan, and A. S. Ahluwalia. "Microalgae: a promising tool for carbon sequestration." *Mitigation and Adaptation Strategies for Global Change* 18.1, pp.73-95, 2013.
- [20] Ugwu, Charles U., and Hideki Aoyagi. "Designs, Operation and Applications." *Biotechnology* 11.3, pp. 127-132, 2012.
- [21] Pulz, Otto. "Photobioreactors: production systems for phototrophic microorganisms." *Applied microbiology and biotechnology* 57.3, pp. 287-293, 2001.
- [22] Molina, E., J. Fernández, F. G. Ación, and Y. Chisti. "Tubular photobioreactor design for algal cultures." *Journal of biotechnology* 92.2, pp. 113-131, 2001.
- [23] Grobbelaar, Johan U. "Factors governing algal growth in photobioreactors: the "open" versus "closed" debate." *Journal of applied phycology* 21.5, pp. 489-492, 2009.
- [24] Veillette, Marc, Josiane Nikiema, Michèle Heitz, Mostafa Chamoumi, and Nathalie Fauchoux. *Production of biodiesel from microalgae.* INTECH Open Access Publisher, 2012.
- [25] Grima, E. Molina, et al. "Recovery of microalgal biomass and metabolites: process options and economics." *Biotechnology advances* 20.7, pp. 491-515, 2003.
- [26] Harun, Razif, et al. "Bioprocess engineering of microalgae to produce a variety of consumer products." *Renewable and Sustainable Energy Reviews* 14.3, pp. 1037-1047, 2010.
- [27] Demirbaş, A. "Production of biodiesel from algae oils." *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects* 31.2, pp. 163-168, 2008.
- [28] Wiltshire, Karen H., et al. "Extraction of pigments and fatty acids from the green alga *Scenedesmus obliquus* (Chlorophyceae)." *Aquatic Ecology* 34.2, pp. 119-126, 2000.
- [29] Agarwal, Avinash Kumar, and L. M. Das. "Biodiesel development and characterization for use as a fuel in compression ignition engines." *Journal of engineering for gas turbines and power* 123.2, pp. 440-447, 2001.
- [30] Peterson, C. L., D. L. Reece, B. L. Hammond, J. Thompson, and Sidney M. Beck. "Processing, characterization, and performance of eight fuels from lipids." *Applied Engineering in Agriculture* 13, no. 1, pp. 71-79, 1997.
- [31] Ma, Fangrui, and Milford A. Hanna. "Biodiesel production: a review." *Bioresource technology* 70.1, pp. 1-15, 1999.
- [32] Ramadhas, A. S., S. Jayaraj, and C. Muraleedharan. "Use of vegetable oils as IC engine fuels—a review." *Renewable energy* 29.5, pp. 727-742, 2004.
- [33] Hossain, ABM Sharif, et al. "Biodiesel fuel production from algae as renewable energy." *American journal of biochemistry and biotechnology* 4.3, pp. 250-254, 2008.
- [34] Weisło, Grzegorz. "Comparison of transesterification efficiency using alkaline and acid catalyzers." 2008.
- [35] Demirbas, Ayhan, and M. Fatih Demirbas. "Importance of algae oil as a source of biodiesel." *Energy Conversion and Management* 52.1, pp. 163-170, 2011.
- [36] Ueno, Yoshiyuki, Norihide Kurano, and Shigetoh Miyachi. "Ethanol production by dark fermentation in the marine green alga, *Chlorococcum littorale*." *Journal of fermentation and bioengineering* 86.1, pp. 38-43, 1998.
- [37] John, Rojan P., G. S. Anisha, K. Madhavan Nampoothiri, and Ashok Pandey. "Micro and macroalgal biomass: a renewable source for bioethanol." *Bioresource Technology* 102, no. 1, pp. 186-193, 2010