Abstract

Microalgae are microorganisms able to accumulate considerable oils in the biomass with appropriate fatty acids profiles for biodiesel production. Use of microalgae cultures is very attractive for this purpose because their high lipids content, acceptable fatty acids composition, high photosynthetic efficiency and ability to grow at sustained moderate rates in water of different origin and composition. Never the less, these cultures have some limitations as maintaining and scale up problems and high operation cost for the production and harvesting of microalgal biomass. This work present a review of biodiesel production from microalgal culture as a bioenergetic alternative to help to decrease the demand of fossil fuel oils on the word market.

Keywords

Oils, biodiesel, microalgae.