

Proposal

With the current push towards clean, renewable fuels, much research has been dedicated to the possibility of taking fats from algae (triacylglycerides) and turning them into a green oil. In order to facilitate this research, further research was done on the conversion process. Under what conditions will the most fat be trans-esterified into fatty acid methyl esters. Water inhibits the reaction, and unfortunately algae lives in water. The focus of this research was to determine if the water in wet algae samples proved to be a problem because of an appreciable reduction in efficiency.