

1. INTRODUCTION

~~Recently, The demand for~~ biofuels ~~has recently increased~~ ~~are in high demand because~~ ~~owing to~~ of their environmental ~~uses~~ ~~benefits~~. Biofuels are ~~considered to be a good~~ ~~better~~ ~~alternate~~ ~~alternatives for~~ ~~traditional fuels~~ if they are ~~cost effective~~ ~~cost-effective~~ ~~and~~, can be ~~effectively mass-~~ ~~produced~~ ~~in large~~ ~~quantities in a continuous batch without hampering or having any negative effects on food supply~~, and ~~can be effectively derived~~ from biomass ~~to reduce~~ ~~without hampering food supply~~, and can reduce the cost and energy ~~needed~~ ~~required~~ ~~to produce~~ ~~feedstock~~ for biofuel production. ~~Chemically, Biodiesels~~ ~~biodiesels~~ are ~~chemically~~ mono-alkyl methyl esters. During esterification, ~~the~~ ~~fatty acids~~ ~~sequentially~~ ~~separates~~ from ~~the~~ ~~glycerine~~ ~~one by one~~ via a catalyst. Biofuels, ~~such as~~ ~~like~~ ~~biodiesels~~, are ~~formed~~ ~~produced~~ when a ~~methyl alcohol~~ ~~methanol~~ (CH_3OH) ~~contacts~~ ~~binds with~~ ~~and forms a bond with~~ a fatty acid ~~molecule~~ (e.g., palmitoleic acid $\text{CH}_3(\text{CH}_2)_5\text{CH}=\text{CH}(\text{CH}_2)_7\text{COOH}$) ~~and forms a bond~~.

~~Two~~2 major reasons ~~why that prove~~ ~~Biofuels~~ ~~biofuels~~ ~~offer a~~ ~~to be~~ better alternatives to fossil fuels are that they are economically competitive, and can be generated on a large scale ~~from the waste of~~ ~~by~~ ~~recycling the waster produced on a daily basis~~ ~~our day to day lives thus ensuring a recycle of waste products to~~. ~~These qualities of~~ ~~productive components as also~~ ~~biofuels also ensure the maintenance of~~ ~~maintaining~~ a closed ~~carbon cycle~~.

~~In this study, to~~ ~~To~~ further identify ~~which~~ ~~biofuels~~ ~~that are~~ ~~is~~ better sources of energy and cost-effective, ~~in this study compare the current~~ ~~presently~~ available biofuels ~~are compared with~~ ~~to~~ some ~~of the~~ commonly used fossil fuels.

Comment [A1]: In passive voice, adverbs of manner are generally placed between the helping and main verbs.

Comment [A2]: Repetition of the same word or a phrase that conveys the same meaning hampers the readability of a sentence. This sentence has been edited for conciseness and to eliminate repetition of redundant information.

Comment [A3]: Introductory clauses are separated from the main clause using a comma.

Comment [A4]: A verb must agree with its subject. Herein, "fatty acids" is a plural subject; therefore, it will take a plural verb "separate."

Comment [A5]: The spelling has been revised to suit American English.

Comment [A6]: Closed is an adjective that modifies the noun "carbon cycle" here. Therefore, the incorrect usage of hyphen was deleted.