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A review on production of biodiesel from waste used oil

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In the present world usage of Energy resources and the environment has increased interest in the study of alternative sources of producing energy. Due to the awareness of adverse effects of conventional fuels to environment and the frequent increase in crude oil cost, the need for sustainable and environment friendly alternate source of energy has gained importance in recent years. Current days it is very necessary to utilize alternative biofuels because of energy security, socioeconomic reasons and environmental anxiety. To reach the increasing energy demand, and there has been growing interest in alternative fuels like biofuels, Biogas, Bio hydrogen, Bioethanol. Biodiesel is alternative fuel to provide a acceptable diesel replacement for diesel engines. Biodiesels is a favorable alternative fuel to diesel oil since they are renewable and have similar properties as fossil fuels. It is a correct substitute as an alternative fuel and has obtained significant attention due to the forecast shortness of standard fuels and environmental concern. The utilization of liquid fuels such as biodiesel produced from cooking waste oil and Vegetable oil, and vegetable oil by the process so called, transesterification process represents one of the best options for the use of fossil fuels. However, as the biodiesel is produced from animal fat oil and vegetable oils, there are concerns that biodiesel feedstock may compete with food supply in the long-term.

Biography

Mahmad Shareef completed his masters in technology from J.B.R.E.C College JNTU University. He has published Five papers in internation Journals. Shareef and Pari talath fatima currently working on the production of biodiesel from Vegistable waste, cooking oil waste and they are working on production of Biofuels from the seed of *Derris Indica*. They also worked on production of Lipase Enzymes and Applications.

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