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Bio Diesel from Castor Oil – A Green Energy Option

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ABSTRACT

With increase in the demand of petroleum products the prices of petrol & diesel are increasing world wide. This trend is expected in years to come as the resources are also depleting. Hence alternative sources of energy for running our generators, automobiles etc. are being considered world wide. The possibility of obtaining oil from plant resources has aroused a great interest and in several countries, vegetable oil after esterification being used as ' Biodiesel' . The biodiesel can be used as 20% blend with petrodiesel in existing engines without any modification. Both the edible and non edible vegetable oils can be used as the raw materials for the biodiesel. Considering the cost and demand of the edible oils the non edible oils may be preferred for the preparation of biodiesel in India.

KEYWORDS

Biodiesel, Castor Seed Oil, Emissions, Green Energy, Non Edible Oil

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