

## PREPARATION OF BIODIESEL FROM KARANJA OIL

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### Abstract

Biodiesel was prepared from the non-edible oil of Karanja by transesterification of the crude oil with methanol in the presence of NaOH as catalyst. A maximum conversion of 92% (oil to ester) was achieved at 60<sup>o</sup>c. Important fuel properties of methyl esters of biodiesel produced from karanja oil like viscosity, flash point, fire point, calorific value etc., was found out and compared to the properties of Indian standard biodiesel.

**Keywords:** Karanja oil, Biodiesel, Transesterification