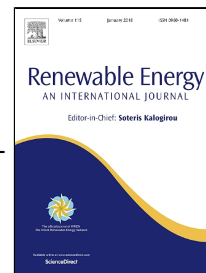


Accepted Manuscript

An improvement and optimization study of biodiesel production from linseed via in-situ transesterification using a co-solvent

M. Taherkhani, S.M. Sadrameli



PII: S0960-1481(17)31021-2
DOI: 10.1016/j.renene.2017.10.061
Reference: RENE 9349
To appear in: *Renewable Energy*
Received Date: 01 August 2017
Accepted Date: 21 October 2017

Please cite this article as: M. Taherkhani, S.M. Sadrameli, An improvement and optimization study of biodiesel production from linseed via in-situ transesterification using a co-solvent, *Renewable Energy* (2017), doi: 10.1016/j.renene.2017.10.061

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights:

Biodiesel has been produced by in situ transesterification of linseed.

A co-solvent has been used to decrease the temperature and enhance the yield.

Tetrahydrofuran has been used as a co-solvent.

The maximum yield of biodiesel has been obtained to be 93.15%.

The optimum conditions are 6.8 wt.% of catalyst, 40 °C temperature and C-S/S of 0.3.

Download English Version:

<https://daneshyari.com/en/article/6765026>

Download Persian Version:

<https://daneshyari.com/article/6765026>

[Daneshyari.com](https://daneshyari.com)