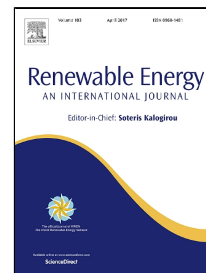


Accepted Manuscript

Parametric optimization of biodiesel synthesis from rubber seed oil using iron doped carbon catalyst by Taguchi approach

Sumit H. Dhawane, Akash Pratim Bora, Tarkeshwar Kumar, Gopinath Halder



PII: S0960-1481(16)31165-X
DOI: 10.1016/j.renene.2016.12.096
Reference: RENE 8433
To appear in: *Renewable Energy*
Received Date: 23 August 2016
Revised Date: 11 December 2016
Accepted Date: 31 December 2016

Please cite this article as: Sumit H. Dhawane, Akash Pratim Bora, Tarkeshwar Kumar, Gopinath Halder, Parametric optimization of biodiesel synthesis from rubber seed oil using iron doped carbon catalyst by Taguchi approach, *Renewable Energy* (2016), doi: 10.1016/j.renene.2016.12.096

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

- Indigenous development of carbonaceous heterogeneous catalyst from waste biomass.
- Experimental design by L9 orthogonal array method by Taguchi approach.
- Parametric effects of individual parameter on biodiesel yield.
- Regression and statistical analysis of the biodiesel synthesis process.
- Produced biodiesel characterised following standard methods.

Download English Version:

<https://daneshyari.com/en/article/4926466>

Download Persian Version:

<https://daneshyari.com/article/4926466>

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