

## Review Form 1.6

Journal Name:	<a href="#">Current Journal of Applied Science and Technology</a>
Manuscript Number:	Ms_CJAST_88034
Title of the Manuscript:	Response Surface Modelling and Optimization Study of Transesterification of Castor Oil Using Calcined Anthill as Catalyst
Type of the Article	

### General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalcjast.com/index.php/CJAST/editorial-policy> )

### PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Compulsory</b> REVISION comments	No apply.	
<b>Minor</b> REVISION comments	No apply.	
<b>Optional/General</b> comments	It is an interesting manuscript about transesterification of castor oil using Calcined Anthill. It merits to be published however please consider the following comments and suggestions before acceptance for publication: i) Revise the Abstract. Check the order of the redaction. Define first the objectives, then describe what was developed. It is not clear for example if it was synthesized the catalyst before application for the targeted reaction. Define or mention in a brief sentence what is the Box Behnken Design (BBD), and why it was used. ii) In the Introduction revise the English use. iii) In the introduction in a simple sentence mention why it is important the transesterification of triglycerides for the biodiesel production or modification. In similar manner add information about the "Anthil" first and then mention the use in catalysis. Check order of the redaction. Iv) Check in the introduction the conjugation of the verb applied when it is mentioned the objectives of this Research work. Check English grammar. v) In Material and Methods: check the description of the methods. Add the units in table 1. Vi) In the section of Results check in all the tables added the legends required to understand the information provided. vii) In the section of results it should be added redaction telling what was developed in this study, adding proper phrases introducing each section, and describing in more detail the results recorded and observations related. Then compare them with results from literature. Highlight the Research work developed in comparison to others. It is just a mention in order to revise the redaction and modify it depending of needs taking into account the reader. Viii) In the subsection of Characterization it should be mentioned which sample and conditions of synthesis is shown, describe, justify, and add more information related highlighting the work developed. Ix) In similar manner, it missing an introduction within the Result section describing what was developed to then present the "Model Development. Please consider to check the order, redaction, and information provided for a better understanding of the reader or neophyte of this theme. X) Please consider to add more information about the BBD Experimental model used to optimize conditions and by this manner for a better understanding of the reader.	

### PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

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**Reviewer Details:**

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