

Review Form 1.7

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_103383
Title of the Manuscript:	BIODIESEL PRODUCTION FROM SEED OIL OBTAINED FROM PONGAMIA PINNATA L.
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://journaljabb.com/index.php/JABB/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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? Yes (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? Yes (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive? Yes</p> <p>4. Are subsections and structure of the manuscript appropriate? Yes</p> <p>5. Do you think the manuscript is scientifically correct? Yes</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. Yes</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<ol style="list-style-type: none"> “was 92. Fuel properties” – punctuation missing in Abstract. Why NaOH is used as catalyst? Can cite https://doi.org/10.1063/5.0068624 and https://doi.org/10.1063/5.0011000 in the introduction part for examples for catalytic and non-catalytic treatment for producing biodiesel from waste cooking oil as source. List some of the other sources such as algae: “Lee, J.W.Y., Chia, W.Y., Ong, W.J., Cheah, W.Y., Lim, S.S. and Chew, K.W., 2022. Advances in catalytic transesterification routes for biodiesel production using microalgae. Sustainable Energy Technologies and Assessments, 52, p.102336. https://doi.org/10.1016/j.seta.2022.102336 How you say “Optimum alkaline-catalyzed transesterification was achieved using 1% NaOH as a solid alkaline catalyst with a methanol-to-oil ratio of 1:6, temperature at 60 deg C” what type of optimization did you use? Optimization involves doing experiment in different ranges and finally concluding within the given range at this particular combination, one is suitable having maximum yield of biodiesel. FAME composition (%) of Karanj oil is given in table, whether GC-MS Ion Chromatogram can be added in the article? 	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications? Yes</p>		
<p>Optional/General comments</p>	NIL	

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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Reviewer Details:

Name:	Mothil Sengottian
Department, University & Country	Kongu Engineering College, India