

Review Form 3

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_126777
Title of the Manuscript:	Experimental Investigation on Combustion Characteristics of LHR and Conventional Engines Using Tobacco and Cotton Seed methyl ester blend
Type of the Article	Original Research Article

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This study presents an experimental investigation into the combustion characteristics of Tobacco Seed OilMethyl Ester, Cotton Seed Oil Methyl Ester and its blend as biodiesel alternatives inboth conventional and Low Heat Rejection engines.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes it is suitable article for the title	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Addition like the numerical findings of the obtained result can be highlighted in the revised manuscript.	
Are subsections and structure of the manuscript appropriate?	Yes the subsections and structure of the manuscript is appropriate	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	This study presents an experimental investigation into the combustion characteristics of Low Heat Rejection and conventional engines when fuelled with blends of Tobacco Seed Oil Methyl Ester and Cotton Seed Oil Methyl Ester. The research focuses on evaluating critical combustion parameters, including in-cylinder pressure and Net Heat Release Rate, under varying engine loads. Also this is the current work related to the environmental impact in the current scenario.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :-	1. Singh, Pradeep Kumar, Srinivasan Suresh Kumar, S. Lakshmana Kumar, Arul Kulandaivel, S. Geerthik, and P. Ganeshan. "Impact of oxy-additives on diesel engine performance and emission parameters using waste cooking oil biodiesel." GLOBAL NEST JOURNAL 25, no. 7 (2023): 105-112. 2. Rajan, K., M. Rajaram Narayanan, S. Suresh Kumar, R. Parthasarathi, and Vinayagam Mohanavel. "A detailed study on improving the properties and performance aspects of biodiesel." International Journal of Ambient Energy 43, no. 1 (2022): 1949-1953. 3. Vinayagam, Mohanavel, S. Suresh Kumar, M. M. Ravikumar, S. Mahendiran, and T. Raja. "Feasibility and emission study on employing MgO nanoparticle as oxygenated additive in neat biodiesel." International Journal of Ambient Energy 42, no. 14 (2021): 1629-1634.	
Minor REVISION comments	Some minor grammatical errors are present with typo errors.	
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	Cite the references in the introduction section	

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

Reviewer Details:

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