

Review Form 1.7

Journal Name:	Journal of Energy Research and Reviews
Manuscript Number:	Ms_JENRR_108134
Title of the Manuscript:	Influence of N-Butanol-Diesel Fuel Blends on the Performance Characteristics of a Four Stroke, Compression Ignition Engine.
Type of the Article	Short Research Article

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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> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The main topic of the paper "Influence of N-Butanol-Diesel Fuel Blends on the Performance Characteristics of a Four Stroke, Compression Ignition Engine" is in line with research themes published within Journal of Energy Research and Reviews. Generally, the paper provided useful information but the novelty of the Short Research Article is still need improvement. The topic of submitted paper about the impact of butanol blends on the performance of diesel engine under varying engine loads are already done in many published studies. I suggest authors to add another point to the paper for example study the particulate matter (PM) concentration and NOx emissions to give good novelty for the paper because the current idea is not enough. The paper requires major modification to be published. I have the following comments that the authors should implement in the revised manuscript before publication, please see the major comments below:</p> <ol style="list-style-type: none"> The "Introduction" section should be impressive and informative. Many published articles were cited with a little information about the main topic. An improvement in very necessary. Many paper can be used to improve the introduction section such as https://doi.org/10.1016/j.fuel.2020.119363, https://doi.org/10.1016/j.tsep.2022.101476, https://doi.org/10.1080/15567036.2021.1970292, https://doi.org/10.1016/j.apenergy.2016.12.102 The connection between the aim of the work and the literature gaps should be better described, thus giving more strength to the reason behind this work. The section MATERIALS AND METHODS is fine but need to adding section (sub heading) about uncertainty analysis. In general, the results presented in the paper is similar with many papers in the literature with a little different. Therefore, the authors should be adding other results (PM and NOx emissions) to support the idea of the paper. Also, please go over the results and give reason for some results and supported by references. The authors mentioned in some cases of the results that the trend increase or decrease and without good reason, thus the authors need to dig deeper into some issues of the results. The submitted paper suffers from minor mistakes in writings and grammatically errors. Please go over the manuscript for other grammatical errors and correct all of them. <p>Thank you</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 		
<p>Optional/General comments</p>		

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PART 2:

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

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