

Review Form 3

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_121345
Title of the Manuscript:	Effect of orifice diameter on combustion and emission of biodiesel supercharged engine
Type of the Article	Original

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>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.</p>	<p>This manuscript is important for the scientific community as it addresses the critical issue of clean energy development in response to increasing automobile ownership and stringent emission regulations. The research provides valuable insights into how different orifice diameters in biodiesel supercharged engines affect combustion and emission characteristics, thereby contributing to the understanding of biodiesel as a viable alternative to fossil fuels</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes</p>	
<p>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.</p>	<p>Context and Relevance: The abstract could benefit from a brief mention of the broader context and relevance of the study, particularly the importance of biodiesel as a renewable energy source</p> <p>Methodology Specifics: While the abstract mentions the methodology, it could briefly include how the experiments were conducted (e.g., experimental setup or key equipment used)</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The subsections are written with different font styles. Modify the paper with uniform font style.</p> <p>The Numbering of the Main and subsections should begin with Introduction. i.e. 1. Introduction 2. Materials and Methods 3. Results and Discussions 4. Conclusions.</p> <p>Under the Section 2. The author has to mention the Experimental Setup details and experimental procedure and Biodiesel properties, which type of biodiesel taken for the experimentation mention all these details</p>	
<p>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.</p>	<p>The manuscript appears scientifically robust and technically sound due to several factors. Firstly, it addresses a relevant and timely issue, focusing on the development of clean energy alternatives, particularly biodiesel, which aligns with global efforts to reduce environmental pollution and fossil fuel dependency. The experimental design is comprehensive, systematically varying key parameters such as orifice diameter, engine speed, and engine load to study their effects on combustion and emission characteristics.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Yes</p>	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	In the abstract, conclusions and in some Headings the authors written as In this thesis, change it to In this paper. And proper proof reading should be done before resubmitting to improve the quality of the paper	
Optional/General comments		

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>	

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