

**Review Form 3**

Journal Name:	<a href="#">Journal of Engineering Research and Reports</a>
Manuscript Number:	Ms_JERR_123931
Title of the Manuscript:	<b>Thermo-structural Comparative Analysis of Internal Combustion Engine Piston by Finite Element Methods</b>
Type of the Article	<b>Original Research Article</b>

### Review Form 3

#### **PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>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.</b>		
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>		
<b>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.</b>		
<b>Are subsections and structure of the manuscript appropriate?</b>		
<b>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.</b>		
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> :		

**Review Form 3**

<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>		
<p><b>Optional/General</b> comments</p>	<p>Dear Editor and Authors,          Thank you for considering my remarks to enhance your article titled "Thermo-structural Comparative Analysis of Internal Combustion Engine Piston by Finite Element Methods" (Manuscript Number: 2024_JERR_123931), which includes 12 figures and 10 tables. The article is well-written and contains interesting content. I recommend it for publication after minor revisions.</p> <ol style="list-style-type: none"> <li>1. Condense and simplify the abstract.</li> <li>2. Add more relevant and engaging keywords.</li> <li>3. Correct the symbol for the temperature unit (Kelvin) in Table 7.</li> <li>4. Provide detailed explanations for labels a-f in the subtitle of Figure 7.</li> <li>5. Enrich the introduction by adding the following references:</li> </ol> <ol style="list-style-type: none"> <li>1. Barhm-AB-Mohamad, Simulate model for analyzing the effect of engine design parameters on the performance and emissions of spark ignition engines, International journal of Mechanical Engineering and Technology, 4(5), pp. 266-278, 2013.</li> <li>2. Barhm Mohamad, Gabor Szepesi, Betti Bollo, Combustion Optimization in Spark Ignition Engines, MultiScience - XXXI. microCAD International Multidisciplinary Scientific Conference, University of Miskolc, 2017.</li> <li>3. Barhm Mohamad, Gabor Szepesi, Betti Bollo, Review Article: Modelling and Analysis of A Gasoline Engine Exhaust Gas Systems, 5th International Scientific Conference on Advances in Mechanical Engineering, University of Debrecen, pp. 345-357, 2017.</li> <li>4. Barhm Mohamad, Gábor L. Szepesi, Betti Bollo, Review Article: Effect of Ethanol-Gasoline Fuel Blends on the Exhaust Emissions and Characteristics of SI Engines, Vehicle and Automotive Engineering 2, Springer International Publishing, pp. 29-41, 2018.</li> </ol> <p>Thank you for your attention to these suggestions.</p>	

**PART 2:**

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

**Review Form 3**

**Reviewer Details:**

Name:	<b>Barhm Mohamad</b>
Department, University & Country	<b>Erbil Polytechnic University, Iraq</b>