

Review Form 3

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_125362
Title of the Manuscript:	Design and performance evaluation of a self-contained electrically improved fireplace
Type of the Article	Original Research Article

Review Form 3

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 manuscript is a valuable contribution to the scientific community, offering innovative insights into energy-efficient fireplace design, practical energy savings for consumers, and potential advancements in sustainable home heating solutions.	
Is the title of the article suitable? (If not please suggest an alternative title)	"Design and Performance Assessment of an Energy-Efficient, Self-Contained Electric Fireplace for Sustainable Home Heating" This title emphasizes the key aspects of the study, including the energy efficiency focus, performance evaluation, and the specific application in home heating.	
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.	No need of suggestions for abstract.	
Are subsections and structure of the manuscript appropriate?	Yes.	
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.	The concept of an electrically improved fireplace is innovative and relevant to current trends in energy-efficient home heating. The experimental setup and performance metrics are well-defined, providing a good foundation for evaluating the system's efficiency. The manuscript addresses an important area of energy efficiency, with a focus on domestic heating solutions that could have wide-reaching applications.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References are sufficient but if possible add some references on electric heating technologies and smart home systems would enhance the credibility of the research.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The text suggests a need for revision of grammatical errors and awkward sentence structures, as well as a thorough proofreading to improve readability.	
Optional/General comments	<ol style="list-style-type: none"> 1) Some figures are difficult to interpret due to low resolution and lack of clear labels. Please improve the quality and provide better explanations in the figure captions. 2) A table summarizing key performance metrics would provide a more accessible overview of the results. 3) More details on the control systems (e.g., thermostats, safety features) and how they enhance the system's performance are needed. 	

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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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