

Review Form 3

Journal Name:	Asian Journal of Research and Reviews in Physics
Manuscript Number:	Ms_AJR2P_129442
Title of the Manuscript:	FABRICATION OF SOLAR DRYER
Type of the Article	Technical research article

PART 1: 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>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript contributes significantly to the renewable energy and food preservation fields by detailing the design and construction of a cost-effective solar dryer. Solar drying technology is a crucial alternative to traditional open-air drying, offering improved hygiene, energy efficiency, and quality preservation. The work provides an in-depth discussion of passive solar dryer principles, materials, and performance, making it valuable for small-scale farmers and researchers seeking sustainable food preservation methods.	THANKS
Is the title of the article suitable? (If not please suggest an alternative title)	Design, Construction, and Evaluation of a Passive Solar Dryer for Sustainable Food Preservation.	DONE
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>The abstract provides a good overview of the solar dryer and its benefits. However, it could be improved by including:</p> <ul style="list-style-type: none"><li>Key performance results (e.g., efficiency or temperature achieved).</li><li>Brief mention of the methodology and findings.</li></ul> <p>Suggested addition: "The designed solar dryer achieved a peak internal temperature of 75°C, three times higher than the ambient temperature, demonstrating its potential for efficient food dehydration under varying climatic conditions."</p>	IMPROVED
Is the manuscript scientifically, correct? Please write here.	<p>The manuscript appears to be scientifically accurate. The principles of solar energy conversion, drying kinetics, and passive solar system design are well-explained and supported by appropriate references. However, the following areas could be strengthened:</p> <ul style="list-style-type: none"><li>Provide clearer explanations for equations in Section 2 (Theory).</li><li>Address error minimization strategies more comprehensively.</li></ul>	IMPROVED
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are relevant but not sufficient as recent reference need to be added. However, incorporating additional studies on advanced solar drying technologies (post-2010) would enhance the literature review.	IMPROVED

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Is the language/English quality of the article suitable for scholarly communications?	<div>The language is generally understandable but could benefit from the following improvements:</div> <div><div></div><div><div></div><div></div><div></div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div>
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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?	<div>(If yes, Kindly please write down the ethical issues here in details)</div>	NIL