

### Review Form 3

Journal Name:	<a href="#">Asian Journal of Research and Reviews in Physics</a>
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>
<b>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.</b>	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.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	Design, Construction, and Evaluation of a Passive Solar Dryer for Sustainable Food Preservation.	
<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>	The abstract provides a good overview of the solar dryer and its benefits. However, it could be improved by including: <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> 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."	
<b>Is the manuscript scientifically, correct? Please write here.</b>	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: <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>	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	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.	

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<b>Is the language/English quality of the article suitable for scholarly communications?</b>	The language is generally understandable but could benefit from the following improvements: <ul style="list-style-type: none"><li>• Correct grammatical errors, e.g., "The food stuffs can be stored in this drier for days without wasting it" → "The foodstuffs can be stored in this dryer for extended periods without spoilage."</li><li>• Enhance sentence structure for clarity and conciseness.</li><li>• Grammatical error needs to be correct</li></ul>	
<b>Optional/General</b> comments	<input type="checkbox"/> Include a section discussing scalability for industrial applications. <input type="checkbox"/> Add a cost analysis of the solar dryer compared to alternative drying methods. <input type="checkbox"/> Use high-quality, labeled diagrams for the solar dryer design.	

### **PART 2:**

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

### **Reviewer Details:**

Name:	<b>Izhak Devid Paul</b>
Department, University & Country	<b>Shri Sant Gadge Baba College of Engineering and Technology, India</b>