



SDI Review Form 1.6

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	2014_BJAST_9433
Title of the Manuscript:	DESIGN AND CONSTRUCTION OF A CABINET SOLAR DRIER
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	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>
Compulsory REVISION comments	Thank you very much for giving me a chance to review papers in your reputed journal. I have done the review on the paper entitled “Design And Construction of a Cabinet Solar Drier” and submit the review as below. In this paper, two domestic solar dryers were designed and tested in Abraka, Delta State of Nigeria. One has mirror reflector to concentrate sun – light energy into the dryer while other has no reflector. It is found that the total power obtained using the oven with reflector was higher when compared to the oven without reflector. These could act as an alternative dryer to the conventional open air-drying and cooking for rural farmers in Nigeria and other tropical countries with similar circumstances. The main advantage of open – air sun drying are low capital and operating cost and that little expertise is required. This solar cabinet dryer will replace the conventional open – air sun drying. Solar cabinet dryer holds a very	Thank you very much for your comments and contributions. We have gone through the manuscript again and effected the corrections on how the hinges could rotate the mirror up to 120° for effective result as you suggested.



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	promising future for the developing countries economically since it burns no fuel and the materials for its construction are quite cheap and readily available. It causes no air or water pollutions. Solar cabinet dryer prevents the food from dust, insects, rodent and other animals because it is enclosed in a chamber. Moreover, it can act as an alternative means of cooking in the rural areas where electricity and other sources of energy are skeletal or non-existence. The research work suggested that a prototype solar cabinet dryer can conveniently act as an alternative dryer to the conventional open – air drying for rural farmers in Nigeria and other countries with the same circumstances. The authors simply stated that the hinges were used to ensure that the mirrors could be rotated up to an angle of 120⁰ for effective result but mentioned how it was achieved. Therefore, I recommend this useful work for journal publication.	
Minor REVISION comments		
Optional/General comments		