



SDI Review Form 1.6

Journal Name:	<u>Advances in Research</u>
Manuscript Number:	Ms_AIR_30019
Title of the Manuscript:	BIOMASS HEAT ENERGY USING TO ASSIST SOLAR ENERGY HEATING SYSTEM FOR HEATING GREENHOUSE SWEET COLOURED PEPPER
Type of the Article	Original Research 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 (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)
Compulsory REVISION comments	<p>The article contains a detailed structure, but it should improve a lot and present some results, these considerations and results are detailed below:</p> <ul style="list-style-type: none"> • In paragraph which is just before 3. Results and conclusions, It is mentioned of a linear regression. It should present the linear regression and do a more thorough analysis of the different variables that make up this regression. • Also, graph different nights in the period in which it has been using just the solar energy system, the biomass heat energy system, or both. • The article should present an analysis of costs per kWh of the two systems that integrate the hybrid system and also the cost per kWh of the loss energy. 	<p>. All the relationships between parameters affecting hybrid heating system and the regression equations have been plotted and listed in the text throughout the results and discussion. of article</p> <p>. The graph represents the heat energy gained by air and solution is merged and reduced. It plotted to reveal the cyclic change in heat energy gained and consumed based on the feeding time of biomass fuel.</p> <p>. The cost analysis of the biomass heating system and the hybrid system are added to the text based on the common energy used for heating the greenhouses in Egypt is the electric energy.</p>
Minor REVISION comments	<ul style="list-style-type: none"> • The results presented numerically such as in paragraph 1, section 3.1 at the end. <p>Ex:</p> <p>For the duration of November, December, January, February, March, and April, the daily averages Solar radiation flux incident from sunrise to sunset on the a horizontal surface, respectively, Were 3,924, 3,429, 3,844, 4,462, 5,270, and 5,725 kWh / m2 day.</p>	<p>All the data mentioned throughout the results and discussion have been plotted and presented in different figures.</p>



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	It would be much better to present these results visually, a graph for example. And all similar results.	
<u>Optional/General</u> comments	<p>The structure of the article should have more quality, for this reason, all formulas containing the article should have a better format. If the document is written in Word or similar software, try using Insert -> equation</p> <p>In general, the structure of the article should have more quality.</p>	<p>The structure of the article has been changed to provide a better format for the article.</p>