

# Review of: "Design of an intelligent controller for improving the solar system efficiency"

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**Potential competing interests:** No potential competing interests to declare.

First of all, thank you for sharing your research with us. The following comments have been submitted to improve your research quality. This paper has many issues, and the authors should be rectified before any further action.

1- Please revise the abstract section. The aim of this paper and the related details of your research need to be clarified.

2- In the contributions section: Please review this paragraph. If you made a distinction in this section, please clearly state the difference between your work and other research.

3- The author analyzed certain number of older research publication as part of the literature review. More recent publication should be cited to identify contemporary research gaps.

4- Expressing the details of your research in a separate section is suggested. Clearly state what modification you have made in the research that has yet to be done and state its details along with related mathematical equations.

5- Can the author clarify to express what contribution to the industry sector and academic field with this research? The computational effort and accuracy of the proposed controller should be compared with a benchmark method and other existing controllers to justify its effectiveness.

6- Include a single table that to specify the parameter settings of all of the optimization algorithm.

7- How did the authors address the optimality problem? Would it be in the form of a P&O approach, for example?

8- Please use appropriate methods such as saving figs from Matlab software and then entering your figures into the paper. It is better to replace all these figures (figures 5 and 6).

9- It is better to compare the results with another reference to determine the validity of the proposed approach.

10- Please, rewrite the conclusion section. This section is more of a summary and must clearly state the proposed method's details and advantages.