

# 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.

1. The title should be more specific to reflect the actual work. It should mention the specific algorithm/technique used for the MPPT
2. The abstract should briefly describe current works in MPPT and how the proposed method would address the limitations of other works. The findings could also be more specific by quantifying the results in comparison with other methods.
3. The literature review needs to be more detail with critical reviews of other methods by discussing the advantageous and limitations with proper references and citations. The current form of writing seems to be too general and there are no proper references cited. The writing style is more like a thesis rather than a technical paper.
4. There is no proper methodology section. Detail step by step description of the methods with proper flowchart are needed.
5. The Fuzzy technique and the comparison with the traditional P&O method is too common. Comparison with other more recent work is needed as well as the application of more unique method to justify the academic contribution.
6. Detail system parameters such as PV parameters are not mentioned.
7. Arrangement and description of Figures are incorrect. For example Figure 2 shows something else and the discussion in the text refers to something else. Please check for all Figures.
8. Some of the captions for the figures on y and x axis are incorrect or in another language. For example Figure 7-9.
9. Figure 10 is difficult to understand with no proper legends and units. What are the values of the irradiance when the results are obtained? How much improvement is obtained? What is the rated output? What is the efficiency obtained?