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

Driss Belkhiri[1]

1 Université Ibn Zohr

Potential competing interests: No potential competing interests to declare.

The manuscript: Design of an intelligent controller for improving the solar system efficiency has some merits, therefore it lacks a performance comparison with state-of-the-art solutions. Experimental results supporting this comparison are welcome. Also, numerical findings under variation of Temperature and Radiation and/or both simultaneously should be indicated.

1. Scope the paper: General relevance control and optimisation of PV systems. Some aspect, either in theory or application, which is new or innovative?

2. Information contained: Traditional techniques of FLC (Type 1) and classical method Perturb and Observe (P&O) without practical application of known concepts.

3. Conclusions drawn not adequately suffer from major omissions like ( Justifications the use of two methods, advantages/ disadvantages, numerical outcomes, future directions,

4. Title: Should be changed for more attractive.

5. Abstract: Should be rewritten and more clarity in both PV models used for simulation results with justification of use the controllers.

6. Language: Grammatically good and needs more revision.

7. Presentation and style: Adequate and requires a comparative table with the features of other MPPT algorithms (classical and advanced methods) in the literature and the proposed can help to understand the paper's contributions.

8. Indicators to prove the effectivity of the MPPT should be calculated.

9. Authors should include more recent papers in literature review section.

10. Introduction should clearly state the application area

11. The practical industrial benefits of the technologies/methodologies introduced (e.g. where it was applied, and what improvements resulted)

12. Conclusion not states these clearly.

13 Finally, Literature references inadequate must be updating.