

Review of: "Determination of Evapotranspiration and Crop Coefficients of Irrigated Legumes on Different Soil Types Using the FAO56 Approach"

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Potential competing interests: No potential competing interests to declare.

The manuscript entitled "Determination of Evapotranspiration and Crop Coefficients of Irrigated Legumes on Different Soil Types Using the FAO56 Approach" requires revisions.

Below are my comments:

1. Abstract: The authors have done a commendable job. It would enhance the abstract to include a brief statement highlighting the novelty of the present investigation.
2. Introduction: Make the introduction more impactful, especially towards the end where you link the objectives of the present work with the state of the art. Emphasize more strongly the unique contribution of your work.
3. The literature used in the introduction of the study is relevant. I recommend that the authors discuss the latest ML models applied in predicting evapotranspiration, showcasing their superiority over traditional methods in the literature. Consider incorporating the following articles into your references:
 - <https://link.springer.com/article/10.1007/s13201-022-01846-6>
 - <https://www.tandfonline.com/doi/abs/10.1080/07055900.2022.2087589?journalCode=tato20>
 - <https://link.springer.com/article/10.1007/s13201-022-01667-7>
 - <https://link.springer.com/article/10.1007/s00477-022-02196-0>
 - <https://doi.org/10.1016/j.agwat.2021.107378>
 - <https://doi.org/10.3390/atmos12121654>
4. Provide general conclusions derived from surveying previous literature at the end of the literature review.
5. Include limitations of the study in the discussion or conclusion section. Address uncertainties related to datasets, methods, selection and design of scenarios, models, and the omission of the role of human activities.
6. Strengthen the conclusion section by incorporating clear recommendations from the present study. Additionally, include values of performance indicators for the best-performing model in this section.
7. Add a list of abbreviations used in this manuscript.

