

Review Form 1.6

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| Journal Name: | International Journal of Environment and Climate Change |
| Manuscript Number: | Ms_IJECC_91492 |
| Title of the Manuscript: | Morpho-physiological responses of sorghum cultivars to drought stress |
| 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:

<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

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 | | |
| Minor REVISION comments | <p>Congratulations to the author(s) for their paper. The paper explores that understand the effect of drought stress on plant height and leaf area in diverse sorghum genotypes, study the alterations in chlorophyll index and yield components under drought stress and also, correlate yield with allmorpho-physiological traits to understand drought tolerance mechanism of sorghum. The topic of the manuscript is very relevant and in line with the aims and scope of the journal which makes this manuscript interesting. However, I have some minor concerns that need to be addressed. I'll explain them in the order of importance.</p> <ol style="list-style-type: none"> 1) Tables are structural forms with rows and columns. For this reason, shape and table separation should be done well. 2) What does the paper adds to international literature? 3) General statements shall be removed. 4) The adopted methodology shall be described. All methods used, assumptions made shall be justified. 5) Conclusions shall be specific and connected to your analysis of previous sections. 6) The English are very weak. There is a need for English Editing. 7) In my opinion, the policy recommendations do not have justification in the empirical results. 8) Please clearly highlight the literature gap this study tries to fill in. Let's write a literature section. It is very important to include this section. 9) Why 33 germplasm from ARS, Kovilpatti and ICAR-IIMR were preferred, let's give the reason. 10) Let's revise the way of giving references according to the spelling rules of the journal. 11) The writing needs to better. There are a plethora of run-on sentences and grammatical errors throughout. The writing issues sometimes make the paper difficult to read. Although there are not a lot of obvious mistakes, the style is clunky and I advise that the manuscript is proffered by a native English speaker. In general, the paper needs to be proofread and copy edited. 12) Overall, the abbreviations seem to be inconvenient since their notations were not explained when they first appear. Author(s) are suggested to revise the paper throughout. 13) Overall, Author(s) are suggested to use more figure and table presentations which will help in understanding the whole picture of the study. 14) Finally, the concluding should address more specific outcomes of the contribution of the minimum percentage reduction in tolerant germplasm. | |
| Optional/General comments | | |

PART 2:

| | 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) |
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| Are there ethical issues in this manuscript? | <p><i>(If yes. Kindly please write down the ethical issues here in details)</i></p> <p>No.</p> | |

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Reviewer Details:

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| Department, University & Country | KTO Karatay University, Turkey |