

## Review Form 1.7

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|--------------------------|--|
| Journal Name:            | <b>International Journal of Environment and Climate Change</b>   |
| Manuscript Number:       | <b>Ms_IJECC_109503</b>   |
| Title of the Manuscript: | <b>Estimation of gene interaction for grain yield and yield traits in rabi sorghum [Sorghum bicolor (L.) Moench]</b> |
| Type of the Article      | <b>Original Research Article</b>   |

### 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) |
|--|--|---|
| <p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b><br/>(Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b><br/>(If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p> | <p>The manuscript deals with studying gene action among different characters which will ultimately help in selecting the breeding program in the population. Therefore, the manuscript is valuable for research communities</p> <p>Yes, the title is suitable. Although the title may also include the term "generation mean analysis" as gene action can be estimated from different designs</p> <p>Abstract is comprehensive and well summarized. The name of the parameter used in GMA may be mentioned and a clarity on the characters showing complimentary gene action can be included to get a better clarity in abstract</p> <p>Yes, the subsections and structure seems to be fine. Although the results part and discussion part may written separately to get a better clarity.</p> <p>Yes, the manuscript seems to be fine</p> <p>References quoted and relevant and recent. But, some of the references missing volume number or page numbers</p> |   |
| <p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>   | <p>Yes, the communication seems to be fine</p>   |   |
| <p><b>Optional/General</b> comments</p>  | <p>Introduction to sorghum can be minimized<br/>In conclusion, mention the characters with additive and dominant effect.</p>   |   |

### 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) |
|--|---|---|
| <p><b>Are there ethical issues in this manuscript?</b></p> | <p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> |   |

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**Reviewer Details:**

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|----------------------------------|-------------------------------------|
| Name:                            | <b>S. Sasipriya</b>                 |
| Department, University & Country | <b>Mallareddy University, India</b> |