Improving Water Stress Resilient Crop Breeding Using Phenomics and Genomics Information Derived from Sorghum (*Sorghum bicolor* L.)

Comments:

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| 1 | Comment on the Language and Grammar, Also indicate whether language editing required? | The Language is deficient in one or more of the following: Grammar and syntax, word usage, punctuation. Thorough editing is required. |
| 2 | General comment on the technical content of the Manuscript | Content of the review papers covers the following: Importance of water stress tolerance, mechanism of water stress tolerance and conventional breeding approaches, importance of Sorghum, utilization of sorghum germplasm for crop breeding, contributions of conventional plant breeding and its limitations and finally how molecular markers can be used for Sorghum crop improvement particularly for drought tolerance.Overall, the manuscript lacks cogency. Redundancy of information is also observed. |
| 3 | Clarity of the title reflection the content and findings of the manuscript | The title does not reflect the content. The title may suitably be modified. |
| 4 | Whether the component of the abstract is cleared summarized? | In general, the abstract reflects the content of the review. However, the following point (in the abstract) is not adequately discussed in the text.*“This paper describes the molecular mechanisms of drought tolerance using S. bicolor as a model and how this information can be extrapolated to breed better cultivars in other crops”.* |
| 5 | Comment on the importance, appropriateness and purpose in the introduction | Introduction, though lengthy, appears to be appropriate for the subject to be discussed later, but could have been precise. |
| 6 | How well Materials and methods are detailed? | Not applicable as this is a review paper |
| 7 | Whether the results are presented appropriately |
| 8 | How well the data analyzed and presented? |
| 9 | Comment on the hypotheses or research questions addressed along with supporting data |
| 10 | Overall Scorings of the Manuscript | satisfactory |
| 11 | Recommendation: | b. Recommend minor corrections |