

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_111196
Title of the Manuscript:	Studies on Variability, Heritability, and Genetic advance in Paddy (Oryza sativa L.)with spl reference to Satna, Madhya Pradesh
Type of the Article	

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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>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. Yes, the manuscript is important for scientific community because it provides original data, even if only from the point of view of the geographical affiliation of the studied rice crops. 2. Yes, the title of the article is suitable. 3. The abstract of the article is comprehensible, but but it must be corrected and rewritten with great care, eliminating grammatical errors and other errors reported in the reviewed manuscript. Also, if you defined the abbreviation RBD in the Abstract, then I think it would be good to also explain the abbreviations GCV and PCV (these abbreviations are well defined when they first appear in the text after the Abstract)that appear in the abstract. Also, the notation h²b should be specified as meaning. You can give these explanations the first time they appear in the text after the Abstract. 4. Yes, the subsections and structure of the article are appropriate. 5. The article seems scientifically correct. Many journals accept articles without experimental evidence, maps of the location of the experimental field, and graphical representations of the results. These aspects greatly reduce the quality of the article, but, I repeat, many journals publish such articles only for needs that are not related to scientific research. I think it is necessary to add some elements of experimental activity: - a classic map or GIS of the location of the experimental field for localization on the territory of the country (geographic area, elements of climatology, see in the final of reviewed manuscript Fig. 2, added by the reviewer). The geographical coordinates of a reference point of the experimental field are missing; - sketches and/or photos of the experimental field with explanations about the isolation of plots with different crops or different treatments; - graphic representations of the results, which would allow a better and faster understanding of the results (see ;Anonymous, 2021-22, Manivelan, 2022, from the References List, [1, 2] from additional literature, see in the final of reviewed manuscript Fig. 1, added by the reviewer). -photographs to highlight the differences between the cultivated rice species and between the stages of development (see additional literature, [2, 3]. It remains the editor's choice if he wants a higher quality of the edited material or remains at this quality, at least due to the lack of experimental evidence. The Material and method chapter is too short and therefore confusing. The authors do not give an example of experimental data on which the calculation should be applied for all the characteristics in Tables 1, 2 and 3. Only the final results are given in the article. This means that the article is intended only for specialists who routinely make such measurements and estimates and acquires a report character that does not help those who might want to learn how to work (a fact also confirmed by the lack of experimental evidence and the basic elements of the experimental plan). This mode of exposure lacks the article's educational value, reducing it to a useful report in a larger set of data from several geographic areas. The authors must specify whether they have participated in the experimentation activity or only used the data of other authors. The data presented does not result in an answer to this question. The authors do not even have an experimental data sample. 6. The references are sufficient, significant and well-balanced in time (they contain old reference literature and new literature in sufficient quantity). Only one citation differs in the 	

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	<p>year of publication from the year in the reference list. I flagged the censored manuscript. The list of references and texts in the text do not comply with the template of the journal.</p> <p>Additional literature</p> <p>[1] Birtucan Demeke, Tiegist Dejene & Desta Abebe (2023) Genetic variability, heritability, and genetic advance of morphological, yield related and quality traits in upland rice (<i>Oryza Sativa</i> L.) genotypes at pawe, northwestern Ethiopia, Cogent Food & Agriculture, 9:1, DOI: 10.1080/23311932.2022.2157099</p> <p>[2] Sheikh Arafat Islam Nihad, Amal Chandra Manidas, Kamrul Hasan, Md. Al-Imran Hasan, Omma Honey, Mohammad Abdul Latif, Genetic variability, heritability, genetic advance and phylogenetic relationship between rice tungro virus resistant and susceptible genotypes revealed by morphological traits and SSR markers, Current Plant Biology, Volume 25, 2021, 100194, ISSN 2214-6628, https://doi.org/10.1016/j.cpb.2020.100194.</p> <p>[3] Kharif 2022: Area under paddy dips by 13% as July ends (downtoearth.org.in)</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>The English language must be corrected with the facilities of the text editor and with additional programs (Grammarly or Quill Bot rephrasing, free or higher versions) because there are many grammatical mistakes. Most grammatical errors refer to the missing or incorrect use of the article. After eliminating the grammatical mistakes, it is necessary to revise the wording of the text to improve the scientific language.</p>	
<p>Optional/General comments</p>	<p>Considering observations 1-6, the grade awarded was 6. The font and its size are not in line with the template of the journal. A major revision is proposed, followed by a new review.</p> <p>In general, the entire manuscript must be placed in the format approved by the editor of the journal for which it is sent.</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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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