

Review Form 1.7

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_114203
Title of the Manuscript:	Assessment of genetic variability in chilli (<i>Capsicum annum</i> L.) genotypes for growth and yield traits
Type of the Article	

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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(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)</i>
<p><u>Compulsory</u> REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? 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>	<p>Importance for the Scientific Community: The manuscript presents significant insights into the genetic variability among chilli genotypes, which is crucial for breeding programs aiming at yield and growth enhancement. The detailed analysis provides valuable data for researchers and breeders focusing on Capsicum annuum, making it a relevant contribution to the field.</p> <p>Title Suitability: The title accurately reflects the study's content and focus, making it suitable without needing an alternative</p> <p>Abstract Comprehensiveness: The abstract is comprehensive, summarizing the study's objectives, methods, key findings, and implications effectively. It highlights the significant genetic variability and the potential for selection in breeding programs. However, it seems that the keywords are missing.</p> <p>Manuscript Structure: The subsections and overall structure are appropriate, with a clear division into Introduction, Material and Methods, Results and Discussion, and Conclusion. This organization facilitates the reader's understanding of the study.</p> <p>Scientific Correctness: The methodology and analysis appear scientifically sound, with appropriate statistical methods used to assess genetic variability and heritability.</p> <p>References: The references are sufficient and relevant, covering both recent and foundational studies in the field. Additional references could include more recent studies on genetic improvement techniques in Capsicum annuum to further contextualize the findings.</p> <p>Overall, the article is a valuable contribution to the field of agricultural genetics and biotechnology, providing important insights into the genetic variability of chilli genotypes that can aid in the development of improved varieties.</p>	
<p><u>Minor</u> REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>Language Quality: The language and quality of English are suitable for scholarly communication, with a clear and professional tone maintained throughout the manuscript.</p>	
<p><u>Optional/General</u> comments</p>	<ol style="list-style-type: none"> Data Presentation: While the results are comprehensively covered, integrating additional graphical representations could enhance the clarity and impact of the findings. Visual aids such as charts or heat maps may help in better illustrating the genetic variability among the studied genotypes. Discussion Expansion: The discussion could be expanded to compare the results more deeply with those of previous studies on similar topics. This would not only contextualize the findings within the broader field but also highlight the manuscript's unique contributions more distinctly. Methodological Details: Providing more detailed descriptions of the methodologies used for assessing genetic variability might benefit readers not familiar with the specific techniques. This could include elaborating on the selection criteria for the genotypes studied and the statistical methods used for analysis. Implications for Breeding Programs: While the manuscript touches upon the implications of the findings for chilli breeding programs, a more detailed exploration of how these genetic insights can be practically applied in breeding strategies would be valuable. Suggestions for future research directions based on the findings could also be beneficial. Reference Update: To ensure the manuscript's relevance and comprehensiveness, reviewing the reference list for the latest research articles published after the initial submission could provide the most current context and background. 	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
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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