

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_130276
Title of the Manuscript:	Variability and Character Association Studies in Wheat (Triticum aestivum L. em. Thell) for Seed Yield and its Contributing Traits
Type of the Article	Full length article

PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	Generally, the manuscript is well prepared except with some revision required in the methodology part. It is also scientifically robust, which will have considerable importance to the scientific community.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, it is suitable	Thanks
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	It is ok, brief and descriptive; however, it lacks to figure out some important values of the result, such as Average, Max, Min and Significant values of the different parameters. At the end, it also lacks brief conclusion and recommendation of the general findings. Hence, I would suggest to add this statement at the end of Abstract: "Thus, using such traits like harvest index and biological yield in wheat improvement program could increase wheat yield"	Effectuated
Is the manuscript scientifically, correct? Please write here.	Moderately ok! Introduction is very short without clear justification on the existing problems or gaps in the research area. Objectives are not clearly set. Material and Methods are shallow and missed important contents like agroclimatic characteristics of the study site, the design and layout of the experimental units, the research methods and data to be recorded (morphological traits). Analysis of genetic variance and coefficient of genotypic and phenotypic variation were mentioned in Statistical Methods, but not shown in the results part ...?	Revision made
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	Thanks
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	As the objective was genetic variability test, only correlation & PCA analyses are not sufficient. To include parameters like GCV and PCV was most important. Plus, no any technique was used to discriminate among the genotypes, hence, one can't see - to what extent the genotypes are variable? Therefore, using 'Mean Performance Analysis' of genotypes is very important to repair the defects in your methodology and of results.	Ok

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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>	