

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_125093
Title of the Manuscript:	Genetic Analysis of Combining Ability and Gene action in Sunflower (<i>Helianthus annuus</i> L.) Hybrids through Line x Tester Design
Type of the Article	Original Research Article

Review Form 3

PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	The article reveals the importance of understanding and studying GCA and SCA before selecting and combining genotypes. This will enable breeders to develop the best breeding strategies and will increase the rate of improvement of important traits such as: yield, disease resistance, oil content, etc.	
Is the title of the article suitable? (If not please suggest an alternative title)	yes	
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.	yes	
Are subsections and structure of the manuscript appropriate?	yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	<ul style="list-style-type: none"> - Materials and methods are correctly and completely described; - The use of variate analysis was the best solution to highlight the results obtained, considering the multitude of factors that were studied; - The obtained results highlight the importance of estimating GCA and SCA before making the decision to combine genotypes, increasing the chance of obtaining new hybrids with superior characteristics; - Although it would have been useful to present the data obtained in at least two years of cultivation, or different locations, nevertheless, considering the multitude of information presented, they would probably have made it even more difficult to read and understand the article; - It would be interesting to continue the experience in the next crop year, the data being able to be correlated with those already obtained and presented in a future article. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The most recent bibliographic reference is from 2018, perhaps at least a few publications after 2020 would have been	
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	yes	
<u>Optional/General</u> comments		

Review Form 3

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:

Name:	Contescu Elena Laura
Department, University & Country	INCDA Fundulea, Romania