

Review Form 3

Journal Name:	Advances in Research
Manuscript Number:	Ms_AIR_124137
Title of the Manuscript:	Effect of General Combining Ability for different seedling traits in mulberry (Morus spp.)
Type of the Article	Original Research Article

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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>
<p>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.</p>	<p>The manuscript provides valuable insights into the genetic basis of key seedling traits in mulberry through an analysis of general and specific combining abilities (GCA and SCA), offering a deeper understanding of both additive and non-additive gene actions. This knowledge can significantly aid in the development of high-yielding and robust mulberry varieties, which are critical for enhancing sericulture productivity. Publishing this study will contribute to advancing breeding strategies for mulberry, with potential applications in improving leaf yield and other agronomic traits.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>yes</p>	
<p>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.</p>	<p>The abstract is appropriate giving clear picture of manuscript</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>yes</p>	
<p>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.</p>	<p>The manuscript is scientifically robust and technically sound due to its thorough use of Line x Tester analysis, which effectively evaluates both general and specific combining abilities (GCA and SCA) in mulberry. The study follows established methodologies, such as Kempthorne's statistical model, to assess gene action, ensuring the reliability of the findings. Additionally, the results are interpreted in the context of additive and non-additive genetic effects, which are key to understanding trait inheritance and hybrid vigor. The careful design, including replication and rigorous statistical analysis, ensures the validity and reproducibility of the outcomes, making the research highly credible for plant breeding applications</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Ensure that all references are up-to-date. Many studies cited are from earlier decades (1960s-1990s). If possible, include more recent research on mulberry breeding and genetic improvement to provide a contemporary context.</p>	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language quality of the manuscript is generally clear but requires improvement to be fully suitable for scholarly communications. While the scientific content is strong, there are several issues with grammar, punctuation, and sentence structure that may hinder readability. Sentences are sometimes lengthy or lack proper transitions, and technical terms are not always clearly explained for a broader audience. With careful editing for clarity, conciseness, and proper academic tone, the manuscript can meet the standards of scholarly communication.</p>	
<p><u>Optional/General</u> comments</p>	<p>Maintain the uniformity throughout the manuscript for abbreviations, such as gca or GCA</p>	

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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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