

**Review Form 3**

Journal Name:	<a href="#">International Journal of Plant &amp; Soil Science</a>
Manuscript Number:	Ms_IJPSS_129241
Title of the Manuscript:	<b>Genetic variability and correlation studies in Crossandra (Crossandra infundibuliformis (L.) (Nees)</b>
Type of the Article	<b>Research Article</b>

**PART 1: Comments**

	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>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.</b>	This manuscript provides critical insights into genetic variability, heritability, and correlation among yield and morphological traits in Crossandra. The findings are valuable for breeding programs aiming to improve yield and quality in this economically significant ornamental crop. The study highlights key traits with high heritability and genetic advance, which are essential for effective selection strategies. Additionally, it identifies positive correlations among desirable traits, offering a foundation for simultaneous trait improvement.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	The current title, "Genetic variability and correlation studies in Crossandra (Crossandra infundibuliformis (L.) (Nees)," is suitable. However, for greater specificity and appeal, consider: "Assessment of Genetic Variability, Heritability and Correlation in Crossandra (Crossandra infundibuliformis (L.) (Nees) Genotypes."	
<b>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.</b>	The abstract is comprehensive, but it could benefit from slight restructuring for better clarity and impact. Suggestions:  <ol style="list-style-type: none"> <li>1. Emphasize the practical implications of high heritability and genetic advance traits for breeding.</li> <li>2. Reduce redundancy, e.g., combining the information about GCV, PCV, and heritability for conciseness.</li> <li>3. Add a concluding statement that underscores the study's contribution to future breeding programs.</li> </ol>	
<b>Is the manuscript scientifically, correct? Please write here.</b>	The manuscript appears scientifically sound, with robust methodology and well-supported conclusions. However, minor clarifications could improve the interpretation of the results:  <ol style="list-style-type: none"> <li>1. Define technical terms like "GCV" and "PCV" for broader accessibility.</li> <li>2. Elaborate on the environmental factors influencing phenotypic variability.</li> </ol>	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	The references are sufficient and relevant, covering foundational and recent studies. If available, additional references on advanced molecular techniques or genetic markers in ornamental plants could strengthen the context.	

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<p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language is mostly clear and suitable for scholarly communication, but minor grammatical corrections and rephrasing for conciseness would improve readability. For instance:</p> <ul style="list-style-type: none"> <li>• Correct "greater influence over environment in plants" to "greater environmental influence on plants."</li> <li>• Simplify long sentences for better flow.</li> </ul>	
<p><b>Optional/General</b> comments</p>	<p><input type="checkbox"/> The manuscript provides a thorough analysis of variability and heritability, making it a valuable contribution to horticultural science.</p> <p><input type="checkbox"/> Including a graphical summary of correlations (e.g., a correlation matrix heatmap) could enhance data presentation.</p> <p><input type="checkbox"/> Recommendations for future research, such as identifying molecular markers linked to high-yield traits, would add depth.</p> <p>"I declare that I have no competing interest as a reviewer"</p>	

**PART 2:**

	<p><b>Reviewer's comment</b></p>	<p><b>Author's comment</b> (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>
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

**Reviewer Details:**

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<p>Department, University &amp; Country</p>	<p><b>JNKVV, India</b></p>