

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_129304
Title of the Manuscript:	Genetic Diversity Studies in Rice (<i>Oryza sativa</i> L.) Genotypes
Type of the Article	Original Research Article

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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Review Form 3
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.	The manuscript addresses a critical aspect of crop improvement by evaluating genetic diversity in rice genotypes using multivariate and cluster analysis. It provides valuable insights for selecting superior parents for hybridization programs, which is essential for enhancing rice productivity. The findings are relevant for the scientific community, particularly in regions with low rice productivity, such as the Western Ghats agro-climatic zone.	
Is the title of the article suitable? (If not please suggest an alternative title)	Ok	
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.	<ul style="list-style-type: none"> Provides a concise overview of the objectives, methods, and key findings. Highlights the importance of inter-cluster distances for hybridization. Suggestions for Improvement: <ul style="list-style-type: none"> Add specific numerical results for key findings, such as the range of genetic divergence values. Clarify the relevance of traits like test weight and flag leaf length in the abstract. 	
Is the manuscript scientifically, correct? Please write here.	<ul style="list-style-type: none"> The use of Mahalanobis D² statistics and Tocher's clustering method is appropriate and well- documented. Results are statistically supported, with clear implications for breeding programs. Suggestions for Improvement: <ul style="list-style-type: none"> Discuss the limitations of the study, such as environmental factors influencing trait expression. Include a brief explanation of why specific traits like plant height and flag leaf breadth showed lower contributions to divergence. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Include more recent studies to strengthen the literature review.	
Is the language/English quality of the article suitable for scholarly communications?	Ok.	
Optional/General comments	<ul style="list-style-type: none"> The manuscript could benefit from a discussion on how findings align with or differ from other studies in the same agro-climatic zone. Consider adding a graphical abstract or summary table to visually highlight key findings. 	

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>	

Reviewer Details:

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