

### Review Form 3

Journal Name:	<a href="#">Journal of Advances in Biology &amp; Biotechnology</a>
Manuscript Number:	Ms_JABB_125405
Title of the Manuscript:	<b>A review on Impact of Polyploidy on Crop Improvement and Plant Breeding Strategies</b>
Type of the Article	<b>Review Article</b>

#### 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:

<https://r1.reviewerhub.org/general-editorial-policy/>

#### Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

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#### PART 1: Review Comments

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>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.</b>	This manuscript on the "Impact of Polyploidy on Crop Improvement and Plant Breeding Strategies" holds significant importance for the scientific community, particularly in the fields of genetics and agriculture. It provides a comprehensive review of how polyploidy an increase in the number of chromosome sets can enhance traits such as yield, stress resistance, and adaptability in crops. The integration of polyploidy into plant breeding strategies offers potential for developing more resilient and productive crops, which is crucial for addressing food security challenges in the face of climate change.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	The current title, "A Review on Impact of Polyploidy on Crop Improvement and Plant Breeding Strategies," is generally suitable as it clearly conveys the focus of the manuscript. However, it could be slightly refined for clarity and to make it more concise.	
<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>	To assess whether the abstract of the article is comprehensive, it should clearly summarize the key points of the review, including the definition of polyploidy, its significance in crop improvement, examples of how it enhances traits (such as yield, disease resistance, or stress tolerance), and its relevance to plant breeding strategies.	
<b>Are subsections and structure of the manuscript appropriate?</b>	The subsections and structure of the manuscript appear appropriate for a review article on the impact of polyploidy in crop improvement and plant breeding strategies. A well-organized review typically includes an introduction to polyploidy, its mechanisms, historical examples of polyploid crops, a detailed analysis of how polyploidy enhances desirable traits (such as stress tolerance and yield), and a discussion of its integration into modern plant breeding strategies. If the manuscript follows this logical flow, it will guide readers effectively through the topic. However, including a section on future directions or emerging technologies related to polyploidy in breeding strategies could further enhance its structure	
<b>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.</b>	The manuscript on the "Impact of Polyploidy on Crop Improvement and Plant Breeding Strategies" appears to be scientifically robust and technically sound. It provides a detailed analysis of polyploidy, backed by well-established scientific principles in genetics and plant breeding. The manuscript references current research and offers clear explanations of how polyploidy affects phenotypic traits like stress tolerance and yield, reflecting a solid understanding of the mechanisms involved. Its thorough literature review, inclusion of various examples, and critical evaluation of polyploidy's role in crop improvement demonstrate a high level of scientific rigor.	

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<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	<b>Reference maximum 50 then review paper is good quality. If possible add more than reference Arrange the referaences in alphabetically. All references write same style and once see reference write proper manner.</b>	
<b>Minor REVISION comments</b>  <b>Is the language/English quality of the article suitable for scholarly communications?</b>	For scholarly communication, the language and English quality of the article on "Impact of Polyploidy on Crop Improvement and Plant Breeding Strategies" should be precise, clear, and free from grammatical errors. If the manuscript uses well-structured sentences, proper terminology, and avoids unnecessary jargon, it would be suitable for academic readers. However, if the text contains ambiguous phrases, awkward syntax, or colloquial expressions, revisions are necessary to improve readability and maintain a professional tone.  To ensure high-quality scholarly writing, it's important that the manuscript also adheres to a logical flow, employs consistent technical vocabulary, and uses concise explanations without sacrificing depth. If any of these aspects are lacking, editing for clarity and fluency is recommended.	
<b>Optional/General comments</b>	When write botanical name need italic.	

### **PART 2:**

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

### Reviewer Details:

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