

Review Form 3

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_127758
Title of the Manuscript:	Somatic hybrids and cybrids and their applications in vegetable improvement programmes
Type of the Article	Review 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 <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her</i>
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 somatic hybridization and cybridization, which are promising biotechnological tools for overcoming conventional breeding barriers in vegetable crops. Its comprehensive discussion of techniques, advancements, and applications underscores its significance in modern agriculture and horticulture. The inclusion of practical examples makes it relevant for scientists and breeders aiming to enhance crop productivity and stress	
Is the title of the article suitable? (If not please suggest an alternative title)	The title reflects the manuscript's content. However, consider rephrasing it to emphasize the focus on "Applications in Vegetable Improvement," such as: <ul style="list-style-type: none"> "Somatic Hybrids and Cybrids: Innovations in Vegetable Improvement." 	
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.	The abstract is comprehensive but could be streamlined for conciseness. Consider rephrasing: <ul style="list-style-type: none"> Emphasize key outcomes rather than detailing challenges and techniques. Focus on broader implications of somatic hybridization in crop improvement 	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically robust, presenting a clear structure and logical flow. However: <ul style="list-style-type: none"> Figures (e.g., schematic diagrams) could be improved for better clarity and visual appeal. Highlight key advancements in recent years to enhance relevance. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References are adequate but could be updated to include more recent studies (post-2020) that illustrate advancements in somatic hybridization. <ul style="list-style-type: none"> Suggested additions: <ul style="list-style-type: none"> Studies on genomic tools in protoplast research. Recent applications in CRISPR-mediated protoplast modifications. 	
Is the language/English quality of the article suitable for scholarly communications?	The language is suitable for scholarly communication but could benefit from minor editing to eliminate redundancies and improve readability. For example: <ul style="list-style-type: none"> Simplify complex sentences. Ensure consistent use of terms like "somatic hybridization" vs. "protoplast fusion." 	
Optional/General comments	Strengths: <ul style="list-style-type: none"> Comprehensive coverage of somatic hybridization and cybridization techniques. Well-documented examples with potential applications in crop improvement. Weaknesses: <ul style="list-style-type: none"> Lack of recent references in some sections. Diagrams could be more informative. 	

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>	

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