

### Review Form 3

Journal Name:	<a href="#">International Journal of Plant &amp; Soil Science</a>
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:

<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/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

### Review Form 3

#### PART 1: Comments

Review Article- Somatic hybrids and cybrids and their applications in vegetable improvement programmes	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>
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.	This manuscript highlights an important and emerging area of plant biotechnology, focusing on the applications of somatic hybrids and cybrids in vegetable improvement. It discusses techniques, challenges, and their potential contributions to crop improvement, including stress resistance and hybrid vigor. This topic is significant for the scientific community as it addresses the need for innovative methods to overcome limitations of traditional breeding techniques and adapt to changing environmental conditions.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the title is appropriate and clearly reflects the content of the manuscript.	
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 well-written and provides a concise overview of the study. However, it could benefit from including specific examples of successful somatic hybrids or cybrids and their applications in vegetable crops.  Suggestions: Add examples of crops and traits improved through this method to enhance clarity.	
Is the manuscript scientifically, correct? Please write here.	Yes, the manuscript is scientifically robust. The concepts of somatic hybridization and cybridization are well-explained, and the examples provided are relevant.  Suggestions: Ensure that technical terms are defined for clarity to readers unfamiliar with the topic.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are mostly appropriate; however, adding recent studies (2020–2024) could make the manuscript more relevant.  Suggestions: Consider adding the following references:  ✓ Recent studies on stress-resistant somatic hybrids. ✓ Updated reviews on applications of cybrids in horticulture.	
Is the language/English quality of the article suitable for scholarly communications?	The language is clear and suitable for scholarly communication. Minor grammatical corrections might improve readability.  Suggestions: Conduct a final proofreading for minor errors.	
<u>Optional/General</u> comments	The manuscript is a valuable contribution to plant biotechnology. Including diagrams or tables summarizing key applications of somatic hybrids and cybrids would enhance the manuscript's impact.  _____	

### Review Form 3

#### **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:**

Name:	<b>Md. Taufiqur Rahman Sarkar</b>
Department, University & Country	<b>Rajshahi University, Bangladesh</b>