

**Review Form 3**

Journal Name:	<b>Journal of Experimental Agriculture International</b>
Manuscript Number:	<b>Ms_JEAI_120523</b>
Title of the Manuscript:	<b>PHENOTYPIC SCREENING OF ADVANCED BREEDING LINES FOR BLAST RESISTANCE IN RICE (<i>Oryza sativa</i> L.)</b>
Type of the Article	

## Review Form 3

### 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 few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.</b>	This manuscript is significant for the scientific community as it addresses a major agricultural challenge, the rice blast disease, which significantly impacts rice yields. By focusing on the introgression of the blast-resistant gene Pi54 into the high-yielding rice variety Telangana Sona, the study contributes to the development of durable and broad-spectrum resistant rice cultivars. The research employs marker-assisted pedigree breeding, showcasing an advanced and efficient breeding technique that can be replicated for other crops facing similar issues. This approach not only enhances rice production but also promotes sustainable agricultural practices by reducing the reliance on chemical controls.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	Yes, it is.	
<b>Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.</b>	Yes. It is.	
<b>Are subsections and structure of the manuscript appropriate?</b>	The subsections and structure of the manuscript are appropriate. The document follows a logical flow from introduction, materials and methods, results, discussion, to conclusion, which aids in understanding the research process and findings.	
<b>Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.</b>	The manuscript appears scientifically robust and technically sound. The use of marker-assisted pedigree breeding is a well-established method for developing resistant cultivars. The thorough phenotypic screening of 40 advanced breeding lines under uniform blast nursery conditions ensures the reliability of the resistance observed. The study's results are significant, showing clear differences in resistance levels, which is crucial for breeding programs.	
<b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b>	The references are both sufficient and recent, covering relevant studies from 2011 to 2023.	
<u>Minor</u> REVISION comments <b>Is language/English quality of the article suitable for scholarly communications?</b>	The language and English quality of the article are suitable for scholarly communication.	
<u>Optional/General</u> comments		

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<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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