

**Review Form 3**

Journal Name:	<b>Journal of Experimental Agriculture International</b>
Manuscript Number:	<b>Ms_JEAI_123010</b>
Title of the Manuscript:	<b>Exploring Blast Pathogen and Causal Organism: The Significance of R Genes in Marker-Assisted Selection</b>
Type of the Article	<b>REVIEW ARTICLE</b>

**Review Form 3**

**PART 1: Review Comments**

<b>Compulsory</b> REVISION 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 feedback here)</i>
<p><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></p>	<p>This manuscript is highly relevant to the scientific community, particularly in the field of plant pathology and rice breeding. It provides a comprehensive overview of the current understanding of rice blast disease, one of the most devastating diseases affecting rice production globally. The focus on R genes and their role in Marker-Assisted Selection (MAS) for developing blast-resistant rice varieties is particularly significant, as it highlights advancements in molecular breeding that are essential for global food security. The detailed review of gene pyramiding and the use of molecular markers will be valuable for researchers and breeders working on improving rice resistance.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>Yes</p>	
<p><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></p>	<p>The abstract is generally comprehensive, summarizing the key points of the manuscript effectively. However, a few improvements could be made:</p> <ul style="list-style-type: none"> <li>• A brief mention of the challenges in current rice breeding strategies could provide context for the importance of the R genes discussed.</li> <li>• Consider including a sentence about the future prospects or the potential impact of these findings on global rice production to round out the abstract</li> </ul>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>Yes</p>	
<p><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></p>	<p>The manuscript is scientifically robust and technically sound. It presents a well-researched and detailed review of the current state of knowledge on rice blast disease and the genetic strategies used to combat it. The focus on the molecular genetics of resistance genes and the application of Marker-Assisted Selection is particularly strong, demonstrating the manuscript's relevance to current breeding challenges. The use of up-to-date references and comprehensive coverage of the topic adds to its scientific credibility.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>The references are generally sufficient and recent, covering a broad range of studies relevant to rice blast resistance.</p>	

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Minor REVISION comments <b>Is the language/English quality of the article suitable for scholarly communications?</b>	Yes	
<b>Optional/General</b> comments	1- Ensure the scientific names, such as <i>Magnaporthe oryzae</i> , are consistently italicized throughout the document. 2- There is mention of both "Pita" and "Pi-ta," which should be consistently named or clarified as needed. 3- Check for consistency in the formatting of author names, article titles, journal names, volume, issue numbers, and page ranges. 4- Add legend for figure 2	

### **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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