

**Review Form 3**

Journal Name:	<b>Journal of Advances in Biology &amp; Biotechnology</b>
Manuscript Number:	<b>Ms_JABB_120873</b>
Title of the Manuscript:	<b>Enhancing the Genetic Understanding of Rice to Develop Breeding Techniques for High Yield and Superior Quality Varieties</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>
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.	Rice breeding has a rich history and there are still research going on to understand rice genetics for development of superior varieties. This article is more of a generic overview, unstructured and most importantly, the reviewer suspects heavy use of generative AI (LLMs like ChatGPT).	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	Corrections marked	
Are subsections and structure of the manuscript appropriate?	Marked in manuscript	
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.	The manuscript needs to include more examples specific to rice.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	Recent, but many references are incomplete. For instance- <ul style="list-style-type: none"> <li>• Bradbury, L. M. T., et al. (2018). Plant Biotechnology Journal, 16(6), 1231-1242.</li> <li>• Henry, A. (2019). Current Opinion in Plant Biology, 48, 174-180.</li> <li>• Huang, X., et al. (2018). Nature Genetics, 41(4), 494-497.</li> <li>• Hussain, S., et al. (2019). Frontiers in Plant Science, 10, Article 1571.</li> <li>• Khush, G. S. (2001). Nature Reviews Genetics, 2(10), 815-822.</li> <li>• Khush, G. S., et al. (2001). Rice Genetics Newsletter, 18, 10-13.</li> <li>• Larkin, P. D., &amp; Park, W. D. (2020). Journal of Cereal Science, 35(2), 319-327.</li> <li>• Li, S., et al. (2018). Nature Genetics, 50(2), 278-284.</li> <li>• Li, T., et al. (2020). Nature Biotechnology, 30(5), 390-392.</li> <li>• Shim, Y. S., et al. (2019). Frontiers in Plant Science, 10, Article 13.</li> <li>• Singh, R. K., et al. (2017). Rice, 10(1), 1-13.</li> <li>• Spindel, J., et al. (2018). Heredity, 118(4), 395-408.</li> <li>• Swamy, B. P. M., &amp; Sarla, N. (2019). Rice, 12, Article 43.</li> <li>• Wang, J., et al. (2018). Hereditas, 155(1), 19.</li> <li>• Zhang, H., et al. (2019). Plant Biotechnology Journal, 17(4), 2083-2085.</li> <li>• Zhao, D., et al. (2017). The Professional Geographer, 69(4), 646-661.</li> </ul>	

### Review Form 3

Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments	Please check AI use as per journal policy and guidelines.	

### **PART 2:**

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

### Reviewer Details:

Name:	Aditya Pratap Singh
Department, University & Country	Bidhan Chandra Krishi Viswavidyalaya, India