

**Review Form 3**

Journal Name:	<a href="#">Journal of Advances in Biology &amp; Biotechnology</a>
Manuscript Number:	Ms_JABB_123835
Title of the Manuscript:	Characterization of elite bread wheat ( <i>Triticum aestivum</i> L.) germplasm for Powdery mildew <i>Blumeria graminis</i> f.sp. <i>tritici</i> resistance
Type of the Article	

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**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.	The study has focused on the evaluation of bread wheat germplasm for resistance to powdery mildew. This study has characterized the wheat genotypes using molecular and morphological level.	
Is the title of the article suitable? (If not please suggest an alternative title)	Evaluation of Elite Bread Wheat ( <i>Triticum aestivum</i> L.) Germplasm for Resistance to Powdery Mildew ( <i>Blumeria graminis</i> f.sp. <i>tritici</i> )	
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.	Abstract can be written in standard style.	
Are subsections and structure of the manuscript appropriate?	The INTRODUCTION section didn't contain the objectives of the present study. The MATERIAL AND METHODS section didn't contain materials used for the study.	
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.	It looks like the overall study has been done technically. Although, in the methodology part the seedlings of seven papaya varieties were planted in CRD, but there were no replications.  The conclusion of the study should be extended with some catchy statements.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	Authors are requested to add some recent references which will support the analysis.  1) The second number reference from the references section is incomplete. It should be in one of the standard reference style. (Resistance to powdery mildew in wheat: a review of its use in agriculture and breeding programmes. <i>Plant Pathol.</i> , 33(3): 279-300.)  2) This following reference have been mentioned twice in references section: Bennett, F.G. 1984. Resistance to powdery mildew in wheat: a review of its use in agriculture and breeding programmes. <i>Plant Pathol.</i> , 33(3): 279-300.  3) McIntosh <i>et al.</i> , 2001 cited in the script, but not in the references section.  4) McKinney, H. 1923. Influence of soil temperature and moisture on infection of wheat seedlings by <i>helminthosporium</i> . <i>J. Agric. Res.</i> , 26(195):213-250. This have mentioned in references section, but not in the script.  5) <b>United States Department of Agriculture, 2019-2020</b> cited in the script, but not in the references section.  6) <b>Roelfs, 1977</b> cited in the script, but not in the references section.	

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Minor REVISION comments		
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	The manuscript needs to be improved with sound grammar.	
<b>Optional/General</b> comments	1) If possible replace the image a) Xgwm312 banding pattern for powdery mildew 2) How could you define the multiple banding pattern of d) Xgwm182 banding pattern for powdery mildew. The gene specific markers i.e. SSRs should amplify the specific band.	

### **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>Ghodake Balkrushna Dattatray</b>
Department, University & Country	<b>Dr. Panjabrao Deshmukh Krishi Vidyapeeth, India</b>