

**Review Form 1.7**

Journal Name:	<b>Journal of Advances in Biology &amp; Biotechnology</b>
Manuscript Number:	<b>Ms_JABB_115571</b>
Title of the Manuscript:	<b>Seed Health Testing of Recombinant Inbred Lines Derived from Cross between Kalonunia and Pusa Basmati 1637</b>
Type of the Article	

**Review Form 1.7**

**PART 1: Review Comments**

	<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)
<p><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>1-Yes, the manuscript on Seed Health Testing of Recombinant Inbred Lines is important for the scientific community as it provides valuable insights into the assessment of seed-borne pathogens in rice lines with enhanced blast resistance. Understanding the prevalence of seed-borne fungi and their impact on seed germination and plant health is crucial for developing strategies to improve crop yield and quality. This research contributes to the field of seed science and plant pathology, offering valuable information for researchers, agronomists, and policymakers working towards sustainable agriculture and food security.</p> <p>2- The title of the article, "Seed Health Testing of Recombinant Inbred Lines Derived from Cross between Kalonunia and Pusa Basmati 1637," is suitable as it accurately reflects the focus and scope of the study. The title clearly indicates that the research involves evaluating the seed health of specific recombinant inbred lines resulting from a cross between two rice varieties, Kalonunia and Pusa Basmati 1637. This title effectively communicates the key aspects of the study, making it relevant and informative for readers interested in seed health testing and rice breeding.</p> <p>3- The abstract of the article provides a concise overview of the study on seed health testing of recombinant inbred lines derived from a cross between Kalonunia and Pusa Basmati 1637. It mentions the key parameters evaluated, such as germination, pre-emergence death, post-emergence test, infection percentage, and the presence of different seed-borne pathogens. While the abstract outlines the objectives and main findings of the research, it could be enhanced by including more specific details on the methodologies used and the significance of the results. Overall, the abstract effectively summarizes the essential aspects of the study but could benefit from additional details to make it more comprehensive.</p> <p>4- Overall, the subsections and structure of the manuscript seem to be well-organized and appropriate for presenting the research findings.</p> <p>5- yes. The study focuses on seed health testing of recombinant inbred lines derived from a cross between Kalonunia and Pusa Basmati 1637, evaluating parameters such as seed germination, pre-emergence death, post-emergence death, and infection percentage. The use of the Agar Plate Method for identifying seed-borne fungi is a standard practice in seed health testing. The analysis of variance conducted on the data collected from the experiment indicates significant variation among the rice genotypes for the measured parameters, which is a common statistical approach in agricultural research. Overall, the methodology, results, and analysis presented in the manuscript align with scientific standards in the field of seed science and plant pathology, suggesting that the research is scientifically sound.</p> <p>6- Yes, appropriate sources have been used</p>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>Yes, the language and English quality of the article appear to be suitable for scholarly communications. The text is structured in a formal and academic style, with clear headings, subsections, and technical terminology commonly used in scientific research papers. The abstract, methodology section, and results analysis demonstrate a level of language proficiency expected in scholarly writing.</p>	
<p><b>Optional/General</b> comments</p>		

[Review Form 1.7](#)

**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:**

Name:	<b>Samaneh Hatami</b>
Department, University & Country	<b>Ferdowsi University of Mashhad, Iran</b>