

**Review Form 3**

Journal Name:	<b>Asian Plant Research Journal</b>
Manuscript Number:	<b>Ms_APRJ_121295</b>
Title of the Manuscript:	<b>Effect of Pre-Sowing Treatments on Germination and Early Growth of True Potato Seed: A Comparative Study of Gibberellic Acid and Potassium Nitrate</b>
Type of the Article	<b>Original Research Article</b>

**Review Form 3**

**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	<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)
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.	This manuscript provides valuable insights into enhancing seedling vigor and productivity in potato cultivation. The study's findings on the optimal use of gibberellic acid and potassium nitrate can contribute to improving seedling quality, reducing dependency on seed tubers, and potentially increasing crop yield, thus offering practical benefits for potato farmers	
Is the title of the article suitable? (If not please suggest an alternative title)	The title "Effect of Pre-Sowing Treatments on Germination and Early Growth of True Potato Seed: A Comparative Study of Gibberellic Acid and Potassium Nitrate" seems appropriate for a scientific research article. It is informative and precise, clearly indicating the subject of the study, the variables studied (Gibberellin and Potassium Nitrate), and the main objective (the effect on germination and early growth of potato seeds). However, here are a few suggestions to potentially improve the readability and clarity of the title: 1. "Comparative Study on Pre-Sowing Treatments: Gibberellic Acid vs. Potassium Nitrate on Germination and Early Growth of True Potato Seed" 2. "Impact of Gibberellic Acid and Potassium Nitrate Pre-Sowing Treatments on True Potato Seed Germination and Early Growth: A Comparative Analysis". These suggestions slightly modify the order of the elements for better flow and precision, while maintaining the substance and intent of the original title.	
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.	The abstract covers the main aspects of the study in a concise and clear manner, including the objectives of the study, methodology, results obtained, and conclusions drawn from the experiments. The abstract clearly states that the study evaluated the effect of different pre-sowing chemical treatments on the germination and early growth of true potato seeds. This section briefly describes the study design (completely randomised design), the location and duration of the experiment and the treatments applied and the measured parameters. The abstract summarises the main quantitative results (germination percentage, shoot length, root length, seedling vigour) and quantifies the observed effects of the treatments on these parameters.	
Are subsections and structure of the manuscript appropriate?	The subsections and structure of the manuscript appear appropriate as they provide a clear organisation of the research content. The introduction sets the context by highlighting the significance of True Potato Seed (TPS) in potato cultivation, followed by a detailed methodology section outlining the experimental design and treatments. The results and conclusion sections effectively present the findings and implications of the study. Overall, the manuscript's structure appears well-organised and conducive to understanding the research.	
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.	This manuscript exhibits scientific correctness and technical soundness due to several key factors. Firstly, the study design using a Completely Randomised Design (CRD) with appropriate replication enhances the reliability of the results. The use of specific treatments, controlled conditions, and detailed data collection methods contributes to the precision of outcomes. Moreover, the statistical analysis conducted using ANOVA and the structured presentation of results demonstrate a rigorous scientific approach. Overall, the manuscript's methodological rigour and comprehensive analysis support its scientific robustness and technical validity.	

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<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>-</p>	<p>All authors cited in the text are listed in the "Reference" section of the manuscript. However :</p> <ul style="list-style-type: none"> <li>• The year of publication, volume, number, etc. of the author [5] does not appear in the manuscript, whereas in the document in question on the website <a href="https://pdfs.semanticscholar.org/dc04/6b13317d7589f369e8324726970e71421e7d.pdf">https://pdfs.semanticscholar.org/dc04/6b13317d7589f369e8324726970e71421e7d.pdf</a> this information does (1988, HORT SCIENCE, vol, 23(3), pp 450-500);</li> <li>• An analysis of the publication dates of the documents referred to in the manuscript shows that almost 50%, 36.7%, and 20% of the documents are more than 20, 30, and 40 years old, respectively, suggesting that the references in the manuscript appear to be quite old.</li> <li>• References [3], [5], [6], [8], [15], [20], [22], [23], [24], [25], [28], [30] are each double-cited side by side in the text.</li> </ul>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language and English quality of the article appear suitable for scholarly communications</p>	
<p>Optional/General comments</p>	<p>The manuscript on the effects of pre-sowing treatments on True Potato Seed (TPS) germination and early growth presents a thorough investigation of the effects of enhancing seedling vigour and productivity in potato cultivation. The study's well-structured design, detailed methodology, and robust statistical analysis contribute to its scientific credibility. Language quality is suitable for scholarly communication to effectively convey research findings. Overall, the study offers valuable insights for potato farmers and contributes to the scientific understanding of optimising TPS germination.</p>	

**PART 2:**

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

**Reviewer Details:**

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