

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_100449
Title of the Manuscript:	Effect of seed storage period and growth regulators on seed germination and physiological parameters of jackfruit seedling
Type of the Article	

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PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>This is a quite interesting study with scientific and practical significance, capable of being applied to enhance agricultural production efficiency in India. The study utilizes three factors: seed storage period, growth regulators, and physiological parameters to optimize the jackfruit seed germination conditions. The research has achieved many good and scientifically meaningful results. However, the presentation of the paper is not truly convincing. The paper needs to be extensively revised according to the following suggestions.</p> <p>The manuscript title is not quite appropriate. This study seems to aim at optimizing the seed germination conditions. Therefore, replace "Effect" with "Optimization." The suggested revised title is: "Optimizing the Germination Conditions of Indian Jackfruit Seeds: Storage Period, Growth Regulators, and Physiological Parameters."</p> <p>The first sentence of the abstract should not be included in the paper. The abbreviations should be revised to make them easier to understand and less confusing for the readers. For example, S₁, S₂, S₃ can be replaced with D₀, D₅, D₁₀. The abbreviations G₁, G₂, G₃, G₄ should be replaced with GA₃-100 for G₁, GA₃-150 for G₂, NAA-25 for G₃, and NAA-50 for G₄. Overall, the abstract section has covered the research findings.</p> <p>Yes, it is suitable.</p> <p>Yes</p> <p>More references need to be added to this manuscript. In particular, it is necessary to include the cited publications in the introduction section. The suggested references are provided below.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes, it is good.</p>	
<p>Optional/General comments</p>	<p>The Introduction section should provide the following reasons:</p> <ol style="list-style-type: none"> 1. Why study jackfruit? 2. Why focus on the three parameters: storage period, growth regulators, and physiological parameters? <p>The Introduction should also include some relevant studies. Citing related research will demonstrate the study's inheritance of previous findings and its potential for expanding research in what area.</p> <p>Additional suggested references to supplement the manuscript are as follows:</p> <ol style="list-style-type: none"> 1. Van Nhan Le, Quang Trung Nguyen, Tien Dat Nguyen, Ngoc Tung Nguyen, Tibor Janda, Gabriella Szalai, Truong Giang Le, The potential health risks and environmental pollution associated with the application of plant growth regulators in vegetable production in several suburban areas of Hanoi, Vietnam, <i>Biologia Futura</i>, 2020, 71, 323–331 2. Van Nhan Le, Quan Trung Nguyen, Ngoc Tung Nguyen, Tibor Janda, Gabriella Szalai, Tien Dat Nguyen, Truong Giang Le, Foliage applied gibberelic acid influences growth, nutrient contents and quality of lettuces (<i>Lactuca sativa</i> L.), <i>Journal of Animal & Plant Sciences</i>, 2021, 31, 6, 1720-1727. 	

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	<p>3. Van Nhan Le, Quang Trung Nguyen, Ngoc Tung Nguyen, Truong Giang Le, Analysis of Plant Growth Substances (Auxins, Gibberelins and Cytokinins) in Vegetables Using High-Performance Liquid Chromatography Coupled to Electrospray Ionization Tandem Mass Spectrometry, The International Journal of Science & Technoledge, 2020, 8, 7.</p> <p>4. Thi Cam Van Do, Dang Thuan Tran, Truong Giang Le, Quang Trung Nguyen, Characterization of Endogenous Auxins and Gibberellins Produced by Chlorella sorokiniana TH01 under Phototrophic and Mixtrophic Cultivation Modes toward Applications in Microalgal Biorefinery and Crop Research, 2020, Journal of Chemistry</p> <p>5. Thi Thuy Duong, Thi Thu Lien Nguyen, Thi Hai Van Dinh, Thi Quynh Hoang, Thi Nguyet Vu, Thi Oanh Doan, Thi Mai Anh Dang, Thi Phuong Quynh Le, Dang Thuan Tran, Quang Trung Nguyen, Phuong Thu Le, Trung Kien Nguyen, Thi Dau Pham, Ha Manh Bui, Auxin production of the filamentous cyanobacterial Planktothricoides strain isolated from a polluted river in Vietnam, Chemosphere, 2021, 284, 131242.</p> <p>The research objectives should be added to the Introduction section. The Materials and Methods section needs to include diagrams or illustrations of the experimental model. In the Results section, references should not be cited. Therefore, the cited references should be moved to the Introduction section. The results should be presented in the form of graphs, particularly for time-dependent results. Graphical representation will demonstrate the trends influenced by the research factors. Please explain why this study only chose GA3 concentrations of 100 and 150 mg/L, and NAA concentrations of 25 and 50 mg/L. Why were higher concentrations and more concentration points not selected for investigation? A Discussion section should be added to provide an overall evaluation of the factors. The Conclusion section needs to be rewritten to be more comprehensive and describe the achieved results of the study. The current Conclusion section is quite brief.</p>	
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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:

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