

Review Form 3

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_127227
Title of the Manuscript:	Assessment of pigeonpea (Cajanus cajan) based intercropping system under varying planting patterns
Type of the Article	

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (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.	<ul style="list-style-type: none"> The manuscript titled "Assessment of pigeonpea (Cajanus cajan) based intercropping system under varying planting patterns" holds significant value for the scientific community as it delves into sustainable agricultural practices, particularly intercropping, which can optimize land use, improve soil health, and increase yield stability. The study of varying planting patterns offers insights into maximizing resource efficiency and adaptability under different environmental conditions, an area of crucial importance for climate-resilient farming. By focusing on pigeonpea, a leguminous crop known for nitrogen fixation, this research could further contribute to reducing chemical fertilizer dependency, enhancing soil fertility naturally. This title reflects a clear, focused investigation that is highly relevant for agronomy and sustainable agriculture researchers working to develop ecologically sound cropping systems. 	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, no correction needed	
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.	Some correction has given in original paper make it corrected before final processing	
Are subsections and structure of the manuscript appropriate?	Good and well prepared	
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.	<ul style="list-style-type: none"> The experimental design and methodological approach appear sound, as they consider relevant agronomic factors such as plant spacing, growth parameters, and yield, which are essential for validating intercropping efficacy. Additionally, the study's relevance is highlighted by its potential application in sustainable agriculture, as intercropping systems can improve soil health and support higher resilience against environmental stressors. Add yield data of intercrops and economic analysis of treatments, which gives more information about individual treatment for deciding best for farmer of that particular location 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Add reference for statistical data in introduction part Add few references for discussion part	
Minor REVISION comments	Good, Corrections were given in paper by highlighting in red colour text	
Is the language/English quality of the article suitable for scholarly communications?	Make sure which treatment is significantly higher and which is following it	
Optional/General comments		

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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