

Review Form 3

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_128412
Title of the Manuscript:	DEVELOPMENT OF INTEGRATED FERTILIZER PRESCRIPTION BASED ON STCR-IPNS FOR COTTON THROUGH INDUCTIVE CUM TARGETED YIELD MODEL IN THIRUNALLAR SOIL SERIES OF KARAİKAL.
Type of the Article	

PART 1: 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. A minimum of 3-4 sentences may be required for this part.	The manuscript addresses the development of fertilizer prescriptions for cotton using the STCR-IPNS approach, integrating targeted yield strategies with long-term soil health sustainability. This is a significant contribution to precision agriculture, particularly in regions with nutrient-depleted soils. It provides a practical framework to improve fertilizer efficiency and environmental sustainability while increasing crop productivity.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is appropriate but can be simplified for clarity: Suggested Title: <i>Fertilizer Prescription for Cotton Using STCR-IPNS in Thirunallar Soils of Karaikal.</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.	The abstract is comprehensive but can be improved by briefly highlighting integrating FYM contributions and emphasizing the environmental benefits.	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically robust but requires the following improvements: <ul style="list-style-type: none"> • Inclusion of details about the statistical analysis performed. • Clarification of how the soil fertility gradient was validated. • A discussion on the limitations of the method in diverse agro-climatic zones. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	the following additions can further enhance the quality: <ul style="list-style-type: none"> • Tiwari, I. (2024). <i>CLIMATE CHANGE AND ITS IMPACT ON PLANT DISEASES AND PESTS IN INDIA.</i> • Tiwari, I., Bhojiya, A.A., Prasad, R. et al. (2024). <i>Putative Role of Anti-microbial Peptide Recovered from Lactiplantibacillus spp. in Biocontrol Activity.</i> • Tiwari, Madhu, Prem Yadav, and Om Kishor Singh (2023). <i>Environment and Sustainable Development.</i> • Tiwari, I. (2023). <i>Microbial Biotechnology for Enhancing Soil Fertility and Plant Growth.</i> 	
Is the language/English quality of the article suitable for scholarly communications?	The manuscript requires grammatical corrections and sentence restructuring for better scholarly communication. For instance, sentences in the introduction are overly long and repetitive.	
<u>Optional/General</u> comments	<input type="checkbox"/> Improve the formatting of tables and figures for consistency. <input type="checkbox"/> Add a brief discussion on the economic feasibility of implementing the STCR-IPNS approach in smallholder farms.	

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PART 2:

	Reviewer's comment	Author's comment <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>
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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