

Review Form 3

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_120246
Title of the Manuscript:	Delineation of Soil-Crop Nutrient Status in Continuous Cotton Growing Areas of Sangareddy District of Telangana under GIS Environment
Type of the Article	Original Research Article

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.</p>	<p>The manuscript provides valuable insights into soil-crop nutrient status the use of digital tools to help inform nutrient management in cotton. Even though the area covered is not fully explained how big it is, the information collected is important to help inform policy issues. The next steps would be validation of this information from fertilizer recommendations even though the critical nutrient levels for soil and leaf were not provided. With minor changes, this information will help inform on how to improve cotton production.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title is suitable, but the authors can consider rephrasing it to: 'Mapping Soil-Crop Nutrient Dynamics in Continuous Cotton Cultivation Areas of Sangareddy District, Telangana Using GIS Technology'</p>	
<p>Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>The abstract concisely presents the study's objective, methods, and key findings. However, it could be strengthened by adding specific results to highlight the most important findings. Suggestions: Specify the main findings in terms of soil and crop nutrient status. Include any significant correlations or patterns observed in the GIS-based soil fertility mapping</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The subsections and structure are appropriate and in line with the journal guidelines but there is no Acknowledgments, Competing interest and Author contributions. Materials and Methods: Clarify the choice of sampling depths (0-15 cm and 15-30 cm) and its relevance to cotton cultivation. Mention the statistical methods used for data analysis if any was used in data analysis. Ensure the Figures (like Fig. 1) and Tables are appropriately placed within the text and are clear. Provide scale/key for Fig. 1. Results and Discussions: Tables 2-6 are informative, but ensure they are referenced in the text at appropriate points. Discuss any significant patterns or anomalies observed in the data. Elaborate on the implications of your findings for cotton cultivation and soil management practices in the study area. Consider summarizing the key findings at the end of each subsection to boost the main points.</p>	
<p>Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.</p>	<p>The manuscript provides valuable insights into the soil-crop nutrient status in continuous cotton-growing areas. However, Provide information how big the district is and what guided the sampling size for each of the Manala. Ensure consistency in units use and discuss how the information from the study can guide fertilizer recommendations. Highlight critical nutrient deficiencies and suggest corrective measures. Mention the protocol used in classification of soils into low/deficient, medium, and high/sufficient ratings. Unify the word physico-chemical properties, check in Table 1 parts A, B and C, all those parameters qualify under physico-chemical properties just as is done in Tables 4 and 5.</p>	
<p>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p>	<p>The references cited are recent and sufficient.</p>	

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Minor REVISION comments Is language/English quality of the article suitable for scholarly communications?	Check for any grammatical errors and improve the readability of long sentences.	
Optional/General comments	Elaborate the implications of the findings on cotton cultivation and soil management practices in the study site. Minor revisions needed before acceptance for publication.	

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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