

Review Form 3

Journal Name:	Asian Journal of Research in Agriculture and Forestry
Manuscript Number:	Ms_AJRAF_126217
Title of the Manuscript:	Impact of Land Use and Land Cover Changes on Soil Physio-Chemical Properties in Southern Tigray, Northern Ethiopia
Type of the Article	Original Research Article

Review Form 3

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)
<p>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.</p>	<ul style="list-style-type: none"> - This manuscript is important for the scientific community as it addresses soil quality degradation caused by land use changes in the Wojic watershed. Utilizing better statistical methods and comprehensive sampling, it provides valuable insights into the variations of soil physico-chemical properties and highlights the need for sustainable land management practices. - I appreciate the approach and the clear connection between land use and soil properties, but the manuscript could improve by presenting results more cohesively and discussing broader policy implications. 	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>I recommend the authors to rearticulate the title considering the following use "Physico-chemical " instead of "Physio-chemical ". The title should also consider the study unit "Wojic watershed" along with its broader basin rather than mentioning administrative areas.</p>	
<p>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.</p>	<p>1. I found it good, but for more clarity, it would be better if the abstract considers the following :</p> <ul style="list-style-type: none"> - the abstract mentions using R software for the statistical analysis, it could briefly describe the specific soil physicochemical properties measured. - The results section in the abstract could benefit from more specific data, such as the statistical significance of the findings, to support the claims made about trends. 	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>They are appropriate but a few modifications are needed in the following sections:</p> <p>In the methods section describe your study area "Wojic watershed" unless the descriptions about Raya Azebo are not appropriate because the district level characteristics are not the same as the study unit.</p> <p>Section 3 "RESULT AND RECOMMENDATION" shall be written as "Result and Discussion"</p> <p>-</p>	
<p>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.</p>	<ul style="list-style-type: none"> - This manuscript is scientifically good and technically sound due to its comprehensive approach to assessing the impact of land use and land cover changes on soil physico-chemical properties. - The rigorous sampling strategy enhances the representativeness of the findings, while the use of one-way ANOVA and Tukey's HSD ensures statistically valid results. - Additionally, the integration of a normalized difference vegetation index (NDVI) and a regression model provides valuable insights into the temporal dynamics of soil quality. 	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The reference section needs a few improvements:</p> <ul style="list-style-type: none"> - The discussion section needs sufficient references - Recent articles are not considered most of the references are too old 	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes, it is suitable to communicate the findings to the academic community, but still, it needs checking the grammar	
Optional/General comments	<ul style="list-style-type: none">- Add details on how 1997 soil properties were measured and correlated with the 1997 NDVI- please consider a strong discussion section next to your results section or in combination with it	

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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