



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Soil Science and Plant Nutrition</a>
Manuscript Number:	Ms_AJSSPN_41181
Title of the Manuscript:	Geostatistical Evaluation of Spatial Variability of Selected Soil Physical Properties under Different Landuse Systems in Ado Ekiti, southwest Nigeria
Type of the Article	Original Research Article

**General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
<b>Compulsory</b> REVISION comments	<ul style="list-style-type: none"> <li>✓ I think your title; "Geostatistical Evaluation of Spatial Variability of Selected Soil Physical Properties under Different Landuse Systems in Ado Ekiti, southwest Nigeria" should be replaced with ; Geostatistical Evaluation of Spatial Variability of Selected Soil Physical Properties under Different Landuse Systems in Ado Ekiti, Nigeria.</li> <li>✓ Rewrite your Abstract and make sure that it adequately captures the following;</li> <li>✓ What you did?</li> <li>✓ Method (How you did it?)</li> <li>✓ Your findings</li> <li>✓ Conclusion</li> <li>    In a more concise manner.</li> <li>✓ Conclusion should also be restructured.</li> <li>✓ REFERENCES: Recent study about soil properties must be added to the list of References</li> </ul> <p><b>C. O. Edet</b>, P. O. Ushie and C. M. Ekpo, "Effect of Additives on the Thermal Conductivity of Loamy Soil in Cross River University of Technology (CRUTECH) Farm, Calabar, Nigeria". Asian Journal of Physical and Chemical Sciences 3(4): 1-8, 2017; Article no.AJOPACS.36665</p>	<p>We would like to thank the reviewer for the careful and thorough reading of this manuscript and for the thoughtful comments and constructive suggestions, which will help improve the quality of this manuscript.</p> <p>Our responses are as follows.</p> <ul style="list-style-type: none"> <li>i) The title has been revised as suggested</li> <li>ii) The Abstract has been revised and all the mentioned items have been adequately covered.</li> <li>iii) The reference, Edet et al. (2017) has been included in the appropriate place.</li> </ul>
<b>Minor</b> REVISION comments	<p>L32-34: Recast this statement; "Significant within field variability attributable to natural factors of oil formation and crop management practices have also been reported".</p> <p>L44: Replace "regionalized" with "regionalised" and remove "while".</p> <p>L45: Replace "field, geostatistical" with "field, while geostatistical".</p> <p>L47: Replace "characterizing" with "characterising"</p> <p>L50: Replace "Nigeria" with "Nigeria s" and "characterized" with "characterise"</p> <p>L53: Replace "portends" with "portend"</p> <p>L54: Remove "Elsewhere"</p> <p>L55-58: Replace "Therefore, the objectives of this study therefore were to evaluate some selected soil physical properties of a cultivated field and quantify the spatial characteristics of the evaluated properties using classical statistical and geostatistical techniques" with "The purpose of this study is to evaluate some selected soil physical properties of a cultivated field and quantify the spatial characteristics of the evaluated properties using classical statistical and geostatistical techniques."</p> <p>L62: Replace "3-ha" with "3 hectares".</p> <p>L64-65: The location coordinate is not properly typed.</p>	<p>We agree with the observations and suggestions of the reviewer. We have corrected and revised the manuscript accordingly.</p>



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	<p>L70: Replace “Of the 3-ha field” with “In the 3 hectare field; “ L85:</p> <p>L90: Use this pattern, make sure the units are in parenthesis; “where BD is bulk density (<math>\text{g.cm}^{-3}</math>); is weight of dry soil (g); is volume of soil (<math>\text{cm}^3</math>)”. Do this for all similar cases. E.g.; L113-115, L130, L140, Table 1 etc.</p> <p>L96: Figure 1 should come under the description of study area.</p> <p>L98: Equations are not properly labeled. Equation 2 should come under description for Total Porosity.</p> <p>L104: Replace “permeameter” with “parameter” : Do same as in the case of L90.</p> <p>L122: Replace “(Shapiro-Wilk test) was log” with “(Shapiro-Wilk test), it was logarithm”.</p> <p>L166: BD should be written in full, avoid abbreviations and units should be in parenthesis, correct all similar cases.</p> <p>L215: Replace “showing the distribution” with “showing that the distribution.</p> <p>L224: Replace “coarser rather” with “coarser, rather”</p> <p>L228: Replace “A soil having a more of ” with “Soil having more ”</p> <p>L234: Replace “(Figure 3c, d and e)” with “(Figure 3c, 3d and 3e) ”</p> <p>L249: Move “among samples” to L243.</p> <p>L263: Replace “Strong spatial dependent in soil properties” with “Strong spatial dependence on soil properties”.</p> <p>L274: Move L274-275 to join with L265.</p> <p>Move L293-298 to join L287. On L293, Replace “factor” with “factors”.</p> <p>L295: Replace “geology” with “geologic”.</p> <p>L315- 316 should be moved to join 298.</p> <p>L320: Replace “plots, which may” with “plots, this may “</p> <p>L322: Replace “soil” with “soil s”</p> <p>L335: Replace “The results of test of cross-validation” with “The result of the test for cross-validation”</p> <p>L337: This reference; (Utset et al. 2000) was not on the list of references. Cite accordingly and maintain consistency.</p>	
<b>Optional/General</b> comments	<p>I welcome your work based on Geostatistical Evaluation of Spatial Variability of Selected Soil Physical Properties under Different Landuse Systems. The issue of the manuscript is interesting but from my point of view, the study needs a minor review.</p>	<p>We hope our revision has improved the paper to a level of satisfaction.</p>