



**SDI Review Form 1.6**

Journal Name:	<a href="#">Advances in Research</a>
Manuscript Number:	Ms_AIR_47163
Title of the Manuscript:	Canonical Correlation Analysis across Vegetation and Soil Properties of the Disturbed and Intact Coastal Forest Ecosystems
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>)

**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	<p><b>Abstract</b></p> <p>Lines 11-12: specify how many plots Sampling of 25m × 25m Were randomly established.</p> <p>Specify the registered variables (tree stand parameters) in each plot and soil physical properties.</p> <p>For a better understanding of the meaning of the values of "F" and their probabilities presented according to different parameters measured, it would be very useful add the average values of the variables and their corresponding standard deviation to the following determinations:</p> <ul style="list-style-type: none"> <li>• For soluble base and TSP,</li> <li>• Carbon, nitrogen and potassium (CNP) and TSP,</li> <li>• For the SPP and Independent Value Index (IVI)</li> <li>• Soluble base and equitability.</li> </ul> <p>It is advisable to avoid presenting a great value "F" and their corresponding probabilities as these unsupported values the outstanding information is not completely help the understanding of the text.</p> <p>Lines 24-26: Indicate the corresponding values on the mean canonical correlation higher, in the non-disturbed sites</p>	<p>Lines 11-12 has been revised as in line 8 and 9 as well as 174/175 under material and methods sections of the Revised Manuscript copy (RMC)</p> <p>In the abstract if we register all these variables it will be too bulk and beyond the number of words allowed for this section. To avoid this bulkiness other information are found under methodology section. However, the manuscript has been revised as in the RMC</p> <p>The values are already on average, these averages were then subjected into Canoco to obtain F and P values</p> <p>This suggestion is not well understood for review considerations Could you please put it clearer?</p>
<b>Minor</b> REVISION comments	<p><b>Keywords:</b> Add the words Canonical correlation.</p> <p><b>Introduction</b></p> <p>Line 56: Change "Indeed, a study by [4] shows ..." to "Indeed, a study by Merganic [4] shows ...".</p>	<p>The words Canonical correlation have been added in the list of Key words see line 26</p> <p>Revised as in line 52 of the revised manuscript.</p>



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	<p><b>MATERIALS AND METHOD</b></p> <p><b>Description of the Study Area</b></p> <p>Description of study area corresponding Uzigua Forest Reserve (UFR), lacks the following information on:</p> <ul style="list-style-type: none"><li>• The structural and physical chemical characteristics of soil.</li><li>• Current vegetation structure.</li><li>• Climate and hydrological data.</li></ul> <p><b>Data Collection</b></p> <p>Specify the sampling design within each stratum.</p> <p><b>Trees Diversity Indices Analysis</b></p> <p>The outstanding results on trees Diversity Indices Analysis Were not Reported in the abstract.</p> <p><b>RESULTS</b></p> <p>Corresponding to canonical correlation presented on tree stand and Soil Parameters, phisical &amp; Chemical Properties, also the results about Diversity Indices and Soil Physical Properties are very monotonous. it is advisable to combine the use of both tables and related graphics mean values and their corresponding standard deviations.</p>	<p>Revised as in line 119 to 131 of the RMC</p> <p>Revised as in line 174/175 of the RMC</p> <p>Sorry! Species diversity is not the key issue in this work. If diversity indices are presented, soil findings will have to be presented too. Therefore, the work focused on the correlation across diversity indices and some representative soil properties to avoid losing the focus and a bulky abstract.</p> <p>The tables have been edited by deleting all the words under each table. Instead a footnote has been placed as in line 217</p>
<p><u>Optional/General</u> comments</p>	<p>In short, the manuscript covers different aspects of vegetation structure and relationship Between Soil properties of the disturbed forest, presents the basic information on how the Existing forest species are canonically Correlated With the soil properties This understanding is Important in gauging the dynamics of the above- forests ground structure and environmental variables.</p> <p>As above mentioned, the manuscript is properly structured with a solid methodology and the results that can provide the information necessary for the preparation of a management plan for forest resources disturbances.</p>	<p>Thanks for your complements</p>

**PART 2:**

	<p><b>Reviewer's comment</b></p>	<p><b>Author's comment</b> (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)</p>
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><u>(If yes, Kindly please write down the ethical issues here in details)</u></p>	