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| Book Name: | [**Geography, Earth Science and Environment: Research Highlights**](https://www.bookpi.org/bookstore/product/geography-earth-science-and-environment-research-highlights-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5095** |
| Title of the Manuscript: | **Relationship between Forest Structure and Soil Properties in Bagale Forest Reserve in North Eastern Nigeria** |
| Type of the Article | **Book chapter** |

# Special note:

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal. Journal of Environmental Issues and Agriculture in Developing Countries, 10(3): 157-167, 2018.**

**Available:** [**https://icidr.org.ng/index.php/jeiadc/article/view/308**](https://icidr.org.ng/index.php/jeiadc/article/view/308)

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **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.** | This manuscript is highly valuable as it provides crucial insights into the relationship between forest structure and soil properties in Bagale Forest Reserve, Nigeria. Understanding these relationships is vital for forest management, biodiversity conservation, and sustainable land- use practices, especially in the context of a rapidly changing climate. The study’s findings can aid in assessing soil fertility, forest vitality, and the environmental sustainability of forest  reserves, offering guidance for ecological restoration and sustainable agriculture. Additionally, the use of Pearson's correlation coefficient in analyzing soil-forest structure relationships provides a clear, quantifiable approach to ecological research. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title "Relationship between Forest Structure and Soil Properties in Bagale Forest Reserve in North Eastern Nigeria" is clear and accurate, reflecting the content and scope of the study. However, a more concise version might be:  "Forest Structure and Soil Properties in Bagale Forest Reserve, Nigeria". |  |
| **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 effectively summarizes the study's objectives, methodology, and major findings, highlighting the correlation between forest structure and soil properties. However, a more explicit mention of the study's practical implications, such as how the findings could guide forest management and policy, would make it even more comprehensive.  Suggested additions:  Briefly mention the implications of the study for forest management and conservation. |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript is scientifically correct. The methodology is well-defined, and the statistical analysis (Pearson’s correlation coefficient) is appropriate for the type of data presented. The study’s conclusions align with the analysis, and the references are consistent with the research topic. The approach for soil and forest structure assessment is robust, and the findings provide  valuable insights into the ecological conditions of Bagale Forest Reserve |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | The references cited are both sufficient and relevant. They are recent enough to support the research’s claims, with a solid balance of foundational studies and recent publications.  However, adding more references on contemporary forest management techniques and current studies on soil conservation in tropical regions would strengthen the manuscript. |  |

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| **Is the language/English quality of the article suitable for scholarly communications?** | The language quality of the manuscript is suitable for scholarly communications, though there are some minor issues with clarity and phrasing. A few sentences could be refined to enhance readability. For example:  "The reserve will require adjustments and interventions to enhance its sustainability and development" could be rephrased as "The reserve requires strategic interventions to ensure its long-term sustainability and development." These changes will ensure the manuscript flows smoothly and is more engaging to readers. |  |
| **Optional/General** comments | **The manuscript shows good scientific work but could be improved with minor revisions, particularly in the presentation of results and overall readability. More focus on addressing minor formatting issues and ensuring a more fluid narrative would improve the manuscript's quality.** |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with the 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?** |  |  |

**Reviewer details:**

**S M Nazmuz Sakib, Bangladesh**