



SDI Review Form 1.6

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| Journal Name: | Asian Journal of Research in Agriculture and Forestry |
| Manuscript Number: | Ms_AJRAF_48509 |
| Title of the Manuscript: | CARBON SEQUESTRATION POTENTIALS OF WOODY PLANT SPECIES IN MAKURDI ZOOLOGICAL GARDEN BENUE STATE 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>)

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) |
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| Compulsory REVISION comments | | |
| Minor REVISION comments | <p>In this paper authors tried to estimate the total carbon sequestration potentials of some Woody Species in Makurdi zoological garden and its contribution to climate change. Random sample plots of 100 m × 100 m were located in the field using a Garmin GPS and simple allometric procedures using standard carbon inventory principles and techniques that are based on data collection and analysis of carbon accumulating in the above-ground biomass, below-ground biomass, and soil carbon using verifiable modern methods were adopted.</p> <p>Author's found that in randomly selected sample plots, a total number of 27 species of trees belonging to 16 different families. The diameter at breast height (DBH) was measured at 1.3m from ground level with a good measuring tape while heights of plants were measured using haga altimeter. The result showed that a total of 3331.05ton/ha of CO₂ was estimated to have been sequestered using the non-destructive field measurement..</p> <p>The study is very interesting and manuscript is almost structured properly.</p> <p>Following Explanations are needed-</p> <p>Page 21: 4.Conclusions <i>is to be elaborated and re-written with point wise.</i></p> | Thank you for your encouraging comments |
| Optional/General comments | <p>Manuscript is interesting and structured properly, but need to be improvised linguistically.</p> <p><i>The review manuscript is recommended for publication after incorporating above suggestion / comments.</i></p> | |

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) |
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| Are there ethical issues in this manuscript? | <i><u>(If yes, Kindly please write down the ethical issues here in details)</u></i> | |
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