



SDI Review Form 1.6

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| Journal Name: | Journal of Geography, Environment and Earth Science International |
| Manuscript Number: | Ms_JGEESI_44995 |
| Title of the Manuscript: | GEOSPATIAL ASSESSMENT OF Land Cover dynamics in the Guinea Savannah Ecological Zone |
| Type of the 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) |
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| Compulsory REVISION comments | <p>1. The study mainly concentrates on the temporal change detection analysis of a broad and limited (three) land use types. As the area falls in the tropical savannah vegetation belt, at least classify the vegetation into subcategories such as deciduous trees , grasslands and shrubs</p> <p>2. In Table 1 it is clear that Water body shows trivial or no change from 2000- 2017 (only changes from 4.37% - 4.27%).But in the maps water body shows a drastic change. In Fig.2 major portion of water bodies can be visibly seen in the north and north eastern part of the study area in the land use map of 2000.While in land use map of 2016, these water bodies are absent. Please check the serious error and ensure the accuracy of your satellite image classification</p> <p>3. You didn't mention about the post classification accuracy assessment analysis. Please reveal that how accurate is your classified image (OLI/TIRS image in 2017) with the actual land. Explain the method chosen for doing the accuracy assessment.</p> | |
| Minor REVISION comments | <p>1. In Fig 2 built up areas were shown in dark red colour scheme, while in 2000 and 2016 it is given in different colour (pink).Try to give same colour code for same land use type .</p> <p>2. Discuss the major causes/reasons for the land use change in your discussion part</p> <p>3. In line 199, the causative factors for the land use changes mentioned are climatic shifts and increase in urban growth. Please add the relevant data regarding the causative factors in order to justify the statement.</p> | |
| Optional/General comments | The paper can only be approved if the above comments are rectified/satisfied | |

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>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

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