



SDI Review Form 1.6

Journal Name:	Journal of Geography, Environment and Earth Science International
Manuscript Number:	Ms_JGEESI_59960
Title of the Manuscript:	Impact of Land Use Changes on Agricultural Land Use: Evidence from Jalingo Region of Taraba 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/journal/10/editorial-policy>)



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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)
Compulsory REVISION comments	<ol style="list-style-type: none"> From the description of the study region in the manuscript, the study area has a dimension of 14' latitude and 21' longitude. Being a tropical region, the approximate distance of 1° is 111 km. If so the maximum rectangular area of the study region would be (14/60 * 111) X (21/60 * 111) = 1006.22 km². Under the study area heading total land area is mentioned as about 204,073 km². In the table.3. the area is mentioned as 202.51 km². Hence either latitude and longitude values are wrong or the area is wrong. Please check. The authors say they have used ArcGIS 10.3 for supervised classification. They have not mentioned the type of classification used. (Interactive, Maximum Likelihood, Class Probability, Principal Components). No image classification is good without assessing its accuracy. A confusion matrix (or error matrix) is usually used as the quantitative method of characterizing image classification accuracy. Confusion matrix and accuracy assessment of classified images are lacking in the paper. FCC and classified image of the study area could be included in the graphics 	
Minor REVISION comments	<ol style="list-style-type: none"> Normally the urban growth or habitation expands at the cost of encroaching the agricultural land. Therefore, it would have been more insightful if the authors have compared data on agricultural production or yield and their trend over the time period. It is not mentioned anywhere that the 298 respondents of survey belong to all categories of land uses in order to maintain a fair distribution of samples. Maps: Please maintain the aspect ratio of the map. Being a tropical region 1° will have almost same length for latitude and longitude. But in the map longitude interval is longer than latitude interval. Regarding Fig.2: Political Map of the study Area (Jalingo), administrative boundary is missing. If administrative boundary is not shown we cannot call it a political map. 	
Optional/General comments	Title could have been "Impact of Land Use Changes on Agriculture: Evidence from Jalingo Region of Taraba State, Nigeria"	

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

Reviewer Details:

Name:	Radha Krishnan.T
Department, University & Country	Indian Institute of Information Technology & Management, India