



SDI Review Form 1.6

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	2014_BJAST_12848
Title of the Manuscript:	Smallholder Farm Households' Vulnerability and Adaptation to Climate-Induced Food Insecurity
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>)



SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(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)</i>
<u>Compulsory</u> REVISION comments	Whereas there has been commendable efforts to estimated vulnerability, adaptability and food security the linkages between these three is not very clear and in some instances in the text, it is important to evaluate the causality. Some of the comments that follow below are because the study appears not clear on the conceptual framework. In addition, the manner in which the author arrives at some of the numerals in the paper remains unclear. For instance, in line 12/13 "The higher the composite HVI is,12 the more likely the household to be rice insufficient or even rice severely insufficient" What causes what in this case? Is food security dependent on HVI or vice versa? Check on these statements through the paper. Further, there is also need to need to bring out some simultaneity between vulnerability and food security. It is likely that these two variables are likely to exhibit two-way causality. The differences between on-farm and off-farm adaptation are very small, are they significant-probably one needs a t-test to justify the importance of the various adaptations.	Revision has been made to the entire document to ensure the clarity in the linkages between the smallholders' rice sufficiency status, and their current vulnerability level and adaptation practices. Cross-tabulation has been made to see the linkages between smallholders' rice sufficiency status and types of current adaptations
<u>Minor</u> REVISION comments	• The abstract needs to give a contextualized introduction to the problem statement • Label equation on line 141 as equation 1 for consistency • In line 267 "The re-categorization of vulnerability sub components into the three IPCC vulnerability	Revision has been made to the abstract Label has been provided Correction has been made



SDI Review Form 1.6

	factors was presented on Table 2...."change "was" to "is" - Line 300-302 "This finding suggested that under current climate condition, most farm households (92.95%) in the study area are already lack of capacity to bring sufficient quantity of rice for their,", Something is wrong with the sentence. - Line 326, should figure 1 change to figure 2? - Lines 359/360 "The finding suggested that the358 more vulnerable a household, or in this case the higher the HVI, the more likely the household to be rice359 insufficient or even rice severely insufficient" ... - Line 361. How is this line linked to the whole of paragraph?	Revision has been made Correction has been made Revision has been made
<u>Optional/General</u> comments	This paper deals with the issue of climatic change and adaptability, which is a topical issue especially when considered through the smallholder farmers. The author has made commendable efforts to estimate vulnerability and adaptation and the confounding factors.	