



SDI Review Form 1.6

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	Ms_BJAST_31432
Title of the Manuscript:	Impacts and feedbacks of land use and land cover patterns in landscapes on ecosystem processes and microclimate: Case of a cacao-based agroforestry landscape
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)
Compulsory REVISION comments	• The abstract needs editing • Introduction: There are sentences such as "The understanding of the pattern-process and quantification of the roles and relationships between vegetation gross primary production, and the net effect of GPP on potential carbon sink strength in an agricultural and cacao-based agroforestry system of the humid tropics." that needs improvement and clarity. • Methodology: Again sentences such as "The dry weight of tree based was estimated based on the extension publication from the University of Nebraska" need further more clarity. • What do the authors mean by saying "Based on our results we conclude that natural recruitment of cacao and other tree species for afforestation/reforestation may ecosystem sensitively to climate change"? • Similarly "The soil carbon and litter values were lowest and cultivated field and varied between 105 and 2.3 and 143 and 3.2 in the respective....." is not clear • There are several incomplete sentences, and typographic errors, and would not be clear to the readers • The tables are produced in a very confusing manner	The ABSTRACT is edited/corrected The tense: "The understanding of the pattern-process and quantification of the roles and relationships between vegetation gross primary production, and the net effect of GPP on potential carbon sink strength in an agricultural and cacao-based agroforestry system of the humid tropics." Is improved with clarity The tense is recast as: The dry weight of tree based was estimated based on the extension based on the method reported in the publication from the University of Nebraska" need further more clarity. The tense is recast to read: Based on our results we conclude that natural recruitment of cacao and other tree species for afforestation/reforestation may enhance ecosystem resilience to climate change"? The tense: The soil carbon and litter values were lowest and cultivated field and varied between 105 and 2.3 and 143 and 3.2 in the respective....." IS RECAST in the text



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	• The conclusion can be abridged to half the current size	Incomplete sentences were corrected to Improve clarity to readers The tables were represented The conclusion is abridged as requested
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		