

### Review Form 3

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_124774
Title of the Manuscript:	Assessment of carbon sequestration and plant diversity in cocoa agrosystems in the Man region, Côte d'Ivoire
Type of the Article	Original Research Article

#### PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b>	Agroforestry will play a major role by 2050, not only for its importance on food and livelihood security but also for its role in combating the environmental challenges. Agriculture in the area is the main occupation making it one of the most important agriculture system in the area. Despite the importance of cocoa plantations for biomass and C sequestration, the quantification and evaluation of different agroforestry systems in terms of biomass C sequestration potential within diverse ecosystems is still neglected. Cocoa-based agrosystems thus appear as a promising opportunity to reconcile agricultural productivity and environmental preservation, particularly in terms of carbon sequestration and maintenance of plant biodiversity.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	<b>Yes</b>	
<b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b>	<b>The abstract is good and precise, but needs to mention the maximum and minimum values of carbon and diversity.</b>	
<b>Are subsections and structure of the manuscript appropriate?</b>	<b>Yes the subsections are appropriate</b>	
<b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b>	<b>The introduction part is little bit should please one para in that. The discussion part must be mor elaborate If the author have observed the soil nutrient status that must relate the biomass and with the plots. .Matherial &amp; methods is very good. Conclusion is lengthy and have not any clarity about the study, needs to be precise &amp; brief. The para about the diversity with tress needs to be done.</b>	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	<b>Yes, the reference are sufficient when the author adds one para of introduction and discussion refernces are added authomatically. The references are not upto date, needs to add ore recent may be upto 2023</b>	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	yes	
<u>Optional/General</u> comments	The Manuscript needs to be revised and needs the above additions and corrections then it may be feasible to be publish in the Journal.	

### **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:	Meraj U Din Dar
Department, University & Country	SKUAST, India