

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_89961
Title of the Manuscript:	Climate driven responses in Cocoa for Tamil Nadu
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:

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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">1. Authors must be removed the first two sentences from Abstract and put it introduction, Cocoa (<i>Theobromae cocoa</i> L.) has been found to be a suitable and extremely profitable mixed crop in tropics. Cocoa can be grown on a wide variety of soils and requires well defined dry and wet seasons. Cause, those are more suitable for introduction than abstract,2. Authors should be modified the last part of this sentence "Climatic conditions, such as decrease in rainfall, increase in temperature and increase in PET, would significantly reduce the bean yield". To be "Climatic conditions, such as decrease in rainfall, increase in temperature and increase in PET, would significantly reduce the cocoa bean yield", and also, in the conclusion,3. Authors were explaining the effect of Max. Temperature in Tenkasi and Theni regions without any mentioned to Coimbatore region and the opposite was done in Mini. Temperature.4. The title of fig. 6 and 7 was not correct "Fig. 6 and 7 Annual Average Temperatures (°C) of study regions (1979 – 2010)". Cause the duration in Fig 6 from 1987 to 2022 and at fig 7 the duration was 1985 to 2025,5. Authors were explaining the Correlation between weather variables and cocoa productivity, but were not explained which region was affected harmful by these conditions,6. Finally, the discussion was not enough.	<ul style="list-style-type: none">• Abstract and Introduction were changed according to the instructions. Thank for the comments.• In conclusion and abstract, cocoa bean yield has been added as quoted by the reviewer• Missing points on max. temp and min. temp were added in the results section.• In fig. 6 and 7, years are changed according to the study period (1991-2020).• In the discussion section, impact of these weather variables on the study regions are added and explained• Thanks for the comments. It is used to correct my mistakes in the fig. label.
Minor REVISION comments		
Optional/General comments		

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?	(If yes, Kindly please write down the ethical issues here in details)	No