



REVIEWER'S REPORT

Manuscript No.: IJAR-53762

Date: 11.09.2025

Title:

Impact of Climate Smart Resilient Practices on Enhancing Sustainable Agricultural Productivity. Case study of Rice, Cocoa and Oil Palm Value Chains Development

Recommendation:

Accept after MAJOR revision

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality			✓	
Clarity		✓		
Significance	✓			

Reviewer Name: **Dr. S. KARTHIK**

5

Reviewer's Comment for Publication.

(To be published with the manuscript in the journal)

The reviewer is requested to provide a brief comment (3-4 lines) highlighting the significance, strengths, or key insights of the manuscript. This comment will be Displayed in the journal publication alongside with the reviewer's name.

Significance:

- The study's assessment and reports on the production of IVS rice, cocoa, and oil palm value chains in Bo District was affected by Climate-Smart Agricultural (CSA) practices.
- It evaluated adoption hurdles and yield improvements using a mixed-method approach.
- The results demonstrated notable yield increases, with oil palm attaining modest improvements and cocoa and IVS rice showing gains.

Strength:

- According to the study's findings, CSA methods help the district's rural farmers become more resilient, productive, and have better possibilities for a living.
- The reliability and depth of the results are strengthened by the employment of a mixed-method approach (qualitative and quantitative).
- For policymakers, extension agents, and development organizations looking to advance sustainable agriculture and enhance rural livelihoods, the conclusions offer helpful direction.

Key Insight:

- It evaluates the impact of Climate-Smart Agricultural (CSA) practices on agricultural productivity within selected value chains: IVS rice, cocoa, and oil palm in Bo District of Sierra Leone.
- The study highlights the importance of strengthening market linkages, storage, and processing facilities to ensure that productivity gains from CSA translate into sustainable income for farmers.
- It also emphasizes the need to integrate Climate-Smart Agriculture into district agricultural policies and institutional frameworks for long-term impact.

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Additional Comments:

1. Heading name "Literature review" can be removed and merged with INTRODUCTION
2. Many of the references are mismatching from body content to ref section.
3. More references can be added (only 17) mainly nil in discussion.
4. Complete check of formatting to the journal format is required.
5. Less scientific related study.
6. Suggest MAJOR revision.