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| Journal Name: | [**Journal of Agriculture and Ecology Research International**](https://journaljaeri.com/index.php/JAERI) |
| Manuscript Number: | **Ms\_JAERI\_132516** |
| Title of the Manuscript: | **Enhancing Climate Change Adaptation through Participatory Monitoring and Evaluation practices: Evidence from Coffee Farming Households in Southwestern Uganda** |
| Type of the Article | **Original paper** |

PART 1: Comments

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|  | **Reviewer’s comment****Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | The manuscript plays a crucial role in the scientific field, as it has brought to light the prominent position occupied by Participatory Monitoring and Evaluation (PM&E) methods in climate change adaptation, which is the case in the small farmers growing coffee in south-west Uganda. The research provides empirical evidence of the fact that participatory approaches play a vital role in climate change adaptation, for instance, by planting shade trees and practicing soil and water conservation so that the study addresses the challenges. According to the study, which stresses the local level participation in the climate adaptation strategies, the sustainability assurance and farmers’ better ownership of the interventions may be the result, if farmers' involvement is continued and taken as a major point of interest. On the other hand, the research rather anchors current trends and synergies of climate change and agriculture through the use of participatory methods, hence it suggests solutions for the policymakers, researchers, and development practitioners working in related contexts all over. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Yes . This title is very descriptive and conveys completely the range of research and geographic focus, so it becomes very relevant and enlightening for the readers concerned with climate adaptability, participatory activities, and agricultural sustainability. |  |

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| **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.** | An abstract is often a very comprehensive summary which contains, in a nutshell, the main aims, methods, findings, and the implications of the study. This is about how participatory monitoring and evaluation (PM&E) can be used for fostering climate change adaptation at coffee producing households in southwestern Uganda, and it is an overview of the research design, key results, and the importance of M&E in enhancement of the climate change adaptation strategy for coffee farming households at the local level.Yet, there are some areas for improvement.Either specify which results are important in the findings: Here is a brief explanation; the connection between PM&E practices and climate adaptation measures is the most significant issue raised in the abstract. Nevertheless, it would be really practical if the study would point out explicitly the general influence of these findings on both policy and practice. For instance, the abstract could focus on how those results can be used in climate adaptation strategies or by the adoption of similar practices in other places.What is more, the abstract might:^FO2,7,0^FDSpecify the sample size and methodology in greater detail: The abstract briefly includes the utilization of a structured questionnaire and the statistical analysis methods such as correlation, regression, and ANOVA. In a much clearer sense, it would be advantageous if the need for a brief explanation of the reasons for choosing them and their association with the objectives of the study to be included in the study procedure. This would give a clearer image of the rigor of the study to the reader. |  |
| **Is the manuscript scientifically, correct? Please write here.** | Based on the information that has been provided in the manuscript, it can be said that it is scientifically correct. The research in question involves various techniques such as a convergent parallel mixed-method design, structured questionnaires, and statistical analyses (correlation, regression, ANOVA), which are standard and firmly established methods in the ongoing survey of human society. The manuscript also makes references to the literature that is relevant, including studies on climate change adaptation and participatory monitoring and evaluation (PM&E) practices which helps contextualize the research within existing scientific knowledge.The findings are logically represented, and thus, it can be said that different PM&E practices are associated with climate adaptation techniques, such as planting shade trees as well as soil and water conservation. Moreover, using statistical methods to analyse the data is an appropriate tool for addressing the research questions. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references provided are in a wide variety of topics. They appear to be composed of a combination of both recent and old studies |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | yes |  |
| **Optional/General** comments | From the information of this manuscript , it can be concluded that the topics that might be covered in the article are such as:Role of Farmers in Participatory Planning and Evaluation: The major idea of this article is to demonstrate the vital role that local participatory planning and the assessment of local needs together with farmers play. This topic may correspond to interests about the local community's inclusion in decision-making processes and policymaking in the context of climate change.Climate Policies and Bottom-Up Planning: The article suggests a bottom-up approach for crafting climate change adaptation strategies. This discussion may be the interest in climate policies and their possible solutions on the local level as a result of the climate change.Climate-Smart Agricultural Practices: The article describes the use of shade trees as well as soil and water conservation measures for climate change as the main points in the article. The use of these methods to adapt to climate change may be another point of interest in the topic. |  |

PART 2:

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|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with the 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 detail)* |  |

**Reviewer Details:**

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