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| Journal Name: | [**International Journal of Environment and Climate Change**](https://journalijecc.com/index.php/IJECC) |
| Manuscript Number: | **Ms\_IJECC\_140849** |
| Title of the Manuscript: | **Carbon Dynamics in Agroforestry Systems: Implications for Climate Change Mitigation and Adaptation** |
| Type of the Article | **Review Article** |

**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** (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.** | **This manuscript is crucial for research related to climate change. The introduction clearly explains why this research is needed going forward, given the significant impact climate change has on greenhouse gas emissions and the agricultural sector. It also outlines the relevance of why agroforestry could be a viable solution. The scope of this research is also broad, addressing global issues that are crucial to address.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **The title for this study is quite good. However, it would be better to change it to one that more convincingly demonstrates that agroforestry is a viable solution to climate change. I have several comments regarding your proposed title. First, the title "Carbon Dynamics" sounds generic because it lacks clarity regarding**  **the specifics of the carbon dynamics used. The title may be a bit misleading, as it doesn't mention the literature review; transparency would be better from the outset. My suggested title is: Harnessing**  **Agroforestry for Carbon Sequestration and Climate Resilience: A Global Review** |  |
| **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.** | **The submitted paper is excellent in explaining the issues and solutions related to mitigation and**  **adaptation. This research is a literature review that meets the requirements I consider important, namely a high number of citations from previous research. In my opinion, nothing needs to be omitted, and this paper is excellent.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Scientifically, this research is very good, seen from the large amount of data presented, the author's analysis related to the importance of agroforestry for climate change mitigation and adaptation, etc.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **I believe the references used are still relevant, as agroforestry has been implemented for a long time. I might suggest adding a more recent technology discussion section (around 2020-2025). Why? To better demonstrate post-COVID-19 data, and readers will understand whether the pandemic has hampered**  **agroforestry.** |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | **The language used is good and relevant to international research.** |  |
| **Optional/General** comments | **Overall, this research is very good at outlining the problems and their solutions. There are only a few minor errors that could be corrected to make this paper worthy of publication.** |  |

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| **PART 2:** | | |
|  | 1. **Reviewer’s comment** | **Author’s Feedback** (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)*  **There seem no ethical issues in this manuscript**. |  |

**Reviewer details:**

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