Review Form 3

Journal Name:	**International Journal of Environment and Climate Change**
Manuscript Number:	**Ms_IJECC_125130**
Title of the Manuscript:	**Carbon budgeting of a long-term rice-rice cropping sequence in the typic ustipsamments of Kerala**
Type of the Article	

PART 1: Review Comments

Compulsory REVISION comments	**Reviewer's comment**	**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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	**This manuscript is important for the scientific community as it highlights the benefits of integrated nutrient management in improving soil organic carbon (SOC) levels and enhancing carbon sequestration, which are essential for sustainable agriculture and climate change mitigation. The study provides valuable data on how combining organic and inorganic fertilizers can improve soil health and long-term carbon storage. Its findings contribute to agricultural sustainability and environmental policy, offering practical solutions for enhancing soil fertility and reducing greenhouse gas emissions.**	
Is the title of the article suitable? (If not please suggest an alternative title)	**Yes**	
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.	**Yes**	
Are subsections and structure of the manuscript appropriate?	**Yes**	
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.	**The manuscript is scientifically robust and technically sound due to its use of established soil analysis methods, such as the Walkley and Black method for organic carbon and Chloroform fumigation for microbial biomass carbon. It effectively integrates multiple indices like CPI, CLI, and CMI to evaluate carbon dynamics. The long-term experimental design, with clear treatment comparisons, enhances the reliability of its conclusions regarding carbon sequestration and soil organic carbon buildup. Additionally, the use of credible sources and appropriate statistical analyses ensures accuracy and reproducibility.**	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	**Yes**	

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Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**	Yes	
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)*	

Reviewer Details:

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