

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_120010
Title of the Manuscript:	A comprehensive review on Carbon sequestration potential and addition of organic carbon to soil
Type of the Article	

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Abstract The abstract provides a good overview of the manuscript but can be made clearer and more concise. It currently includes details that might be more suitable for the main text. Consider emphasizing the key findings and recommendations more succinctly.</p> <ol style="list-style-type: none"> 1. Introduction <ul style="list-style-type: none"> - The introduction should show the geographical location of the area. Additionally, focus on the problem statement and objectives of the review. - The sentence "Approximately 7.5% of global warming is caused by CO2" needs a reference or further explanation to support the claim. 2. Carbon Sequestering <ul style="list-style-type: none"> - The transition between different topics (e.g., soil carbon sequestration, indirect plant C sequestration) could be smoother. Adding transition sentences or subheadings can help guide the reader. 3. Strategies for managing soil carbon sequestration <ul style="list-style-type: none"> - The section provides a comprehensive overview of various strategies. It would benefit from more examples and case studies to illustrate the points made. - Consider summarizing key points at the end of each subsection to reinforce the main ideas. 4. Zero or minimum tillage <ul style="list-style-type: none"> - The benefits of zero or minimum tillage are well-explained. Including more recent studies and data would strengthen the arguments. - Some technical terms (e.g., "disc harrows" and "mould board ploughs") may need brief explanations for readers unfamiliar with agricultural practices. 5. Crop sequencing or rotation <ul style="list-style-type: none"> - The discussion on crop rotation is insightful. However, more specific examples of successful crop rotations in different regions could add value to the study. - Consider adding a table or figure to summarize the effects of different crop rotations on soil carbon levels. 6. Crop residue <ul style="list-style-type: none"> - Kindly highlight the environmental impacts of crop residue management practices, this can make this section more impactful. - The paragraph discussing biochar should be expanded to include more details about its benefits and limitations. 7. Carbon Dioxide Emission Measurement <ul style="list-style-type: none"> - This aspect provides useful methodologies for measuring CO2 emissions. Including a brief comparison of different measurement techniques would be helpful. - By including detailed explanations of the equipment and procedures used can enhance the clarity for readers who are not familiar with these methods. 8. Conclusion <ul style="list-style-type: none"> - Highlight the key recommendations and future research directions more explicitly. - Consider adding a final paragraph that emphasizes the significance of soil carbon sequestration in the context of global climate change mitigation. 	

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Minor REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?		
Optional/General comments	This manuscript provides a comprehensive review of carbon sequestration and the addition of organic carbon to soil. With some structural improvements, more recent data, and clearer organization, it can become a valuable resource for researchers and practitioners in the field.	

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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