

Review Form 1.7

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| Journal Name: | International Journal of Plant & Soil Science |
| Manuscript Number: | Ms_IJPSS_110759 |
| Title of the Manuscript: | A review on Exploring Carbon Farming as a Strategy to Mitigate Greenhouse Gas Emissions |
| Type of the Article | Review Article |

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) |
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| <p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p> | <p>1. The review article provides a comprehensive examination of carbon agricultural practices, their environmental and socioeconomic impacts, challenges and future potential and investigates the mechanisms underlying carbon sequestration, including biological processes such as photosynthesis and the stabilization of soil organic matter, explores the significant economic and social benefits, particularly in the context of Indian rural communities, identifies several challenges impeding the widespread adoption of carbon agriculture, political and regulatory obstacles are discussed, highlights innovative technological advances and research frontiers in India. Thus, the work demonstrates high relevance for the scientific community, especially on sustainable agricultural practices and climate change mitigation.</p> <p>2. The title of the article is very appropriate.</p> <p>3. Yes, satisfactorily.</p> <p>4. It is well structured.</p> <p>5. Yes, the article and the methodology used are very appropriate. Although, I believe that the authors could formulate a topic on issues related to the valuation of productive activities and how this fits into the current voluntary carbon credit scenario. Agriculture has immense potential for removing CO2 emitted by anthropogenic activities.</p> <p>6. Yes, they are enough.</p> | |
| <p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <p>1. As a non-English speaker the writing is easy to understand.</p> | |
| <p>Optional/General comments</p> | <p>The authors could include a topic about the carbon market or even list it in the topic of future potentials and directions and the importance of agriculture for this scenario.</p> | |

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) |
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| <p>Are there ethical issues in this manuscript?</p> | <p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> | |

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Reviewer Details:

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