

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_104082
Title of the Manuscript:	Long-term influence of crop residue management and tillage practices on distribution of C and N within aggregate size fractions in Alluvial Soils
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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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> <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>The research is relevant, contributing to the understanding of the importance of sustainable management alone in the conservation of resources and mitigation of climatic changes in the Terai region, an agroecological region with a subtropical climate and significant rainfall throughout the year. Addressing the long-term influence of the management of cultural residues and practices of preparation of only alluviais in Rice-Wheat cultivation.</p> <p>The title "Long-term influence on the management of cultural residues and preparation practices alone on the distribution of C and N in the fractions of aggregate size in only alluvial floodwaters" is adequate to describe the research. The title emphasizes the focus of the study, which is to investigate how waste management and preparation practices alone influence the distribution of carbon (C) and nitrogen (N) in aggregate size fractions in single alluvial floodwaters over a long period of time.</p> <p>The introduction is well written, highlighting the importance of proper soil management for carbon sequestration, the use of conservation agriculture practices, and the study of carbon and nitrogen fractions in soil aggregates as a way of understanding the processes involved in the stabilization of soil aggregates and soil fertility.</p> <p>Its objectives are well defined, seeking to observe the variations in the fractions of aggregates alone and the changes in the percentages of stored carbon and nitrogen due to management. The introduction of this research highlights the importance of proper management of soil for carbon sequestration, or use of conservation agriculture practices, and the study of carbon and nitrogen fractions in soil aggregates as a way of understanding the processes involved in the stabilization of soil aggregates and soil fertility.</p> <p>The methodology is adequate, with an experiment blocking by chance the collection of samples at different depths over several years.</p> <p>The results indicate that the direct planting with the application of residues presents a higher content of total organic carbon and nitrogen, while the conventional preparation with the incorporation of residues results in a higher C/N ratio in some crops. Positive changes in terms of organic carbon and nitrogen in all treatments suggest improvements in the quality of the soil and its aptitude for greater agricultural productivity. The research seeks to contribute to the promotion of environmental sustainability and agricultural productivity.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>-----</p>	
<p>Optional/General comments</p>	<p>-----</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)
<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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