

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_116652
Title of the Manuscript:	Unlocking the Secrets of Soil Health: Exploring the Influence of Natural and Synthetic Nutrients on Soil Organic Carbon and Active & Passive Carbon Pool in Vertisolss
Type of the 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)
<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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Organic matter directly affects soil fertility and carbon accumulation, and therefore research related to this is very relevant.</p> <p>2. The title of the article corresponds to the content.</p> <p>3. The abstract provides comprehensive information about the content of the article.</p> <p>4. The article is well structured but: In the second section, it is necessary to specify the areas of the research plots and provide a detailed description of the research options. Specify how and what fertilizers were applied? Specify which method is used for mathematical data processing and which software is used for this? Indicate which crops were grown during the experiment and what their yield was?</p> <p>5. There are no conclusions. It is necessary to clearly formulate the conclusions and separate them in a separate section.</p> <p>6. It is preferable to use more recent literature. Dmytruk Y., Dent D. (eds) Soils Under Stress. Springer, Cham, 255 DOI: 10.1007/978-3-030-68394-8 etc. Degtyarjov, Vasyli; Chekar, Olena; Pachev, Ivan. (2023). Influence of Drip Irrigation on the Humus Regime of a Typical Chernozem In Journal of Mountain Agriculture on the Balkans. 26(3), pp. 366–392 Fomenko, V., Dehtiarov, V., Kaziuta, A., Kaziuta, O. Humification of plant residues under optimal conditions. Scientific Papers. Series A. Agronomy, Vol. LXIV, No. 1, 2021. p. 82-91 Volkohon, V.V., Pyrig, O.V., Volkohon, K.I., Dimova, S.B. 2019. Methodological aspects of determining the trend of organic matter mineralization synthesis processes in croplands. – Agricultural Science and Practice, 6(1):3–9. DOI: 10.15407/agrisp6.01.003</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	English needs to be improved.	
<p>Optional/General comments</p>	It is desirable to determine the amount of plant remains that reached the soil during the research.	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
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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