

Dear Authors

I have reviewed your responses and modifications, and I believe you have done an excellent job addressing the reviewers' comments. The manuscript has significantly improved as a result. I am pleased to accept your submission, pending a minor clarification regarding Figure 1.

For Figure 1, please explain the meaning of "MBC" in the caption. Additionally, the figure appears to show that the soil pore structures in both the sandy loam and silt loam remain similar across all doses. It would be helpful if you could clarify that the figure mainly highlights changes induced by the doses, without considering the initial differences between the two soil types.

Thank you for all your efforts throughout the review process. I look forward to seeing your manuscript published.

Kind regards

We thank the editor for her positive feedback and for her thorough review of our manuscript. We appreciate that our manuscript is close to acceptance for publication.

Regarding Figure 1, we have made the requested clarifications. Specifically:

- We have clarified the MBC meaning in our caption as *“Priming of SOC mineralization is expected to increase with higher EOM doses, although no specific hypotheses regarding soil texture differences are proposed. This increase is attributed to occur because of enhanced co-metabolism, where higher microbial activity -reflected by increased MBC-would promote SOC mineralization, and formation of macroporosity.”* in L. 110-113. Accordingly, we have also updated Fig.1 and positioned the lines representing SOC priming at the same level in both soil textures in L.104.
- We have also clarified that: *“The figure illustrates an increase of microbial biomass carbon (MBC) and macroporosity with increasing EOM dose, without making assumptions between soil textures.”* in L.106-107.
- Additionally, we have updated all instances of "Eh" in the text and in Fig. 5 (L.310) to "E<sub>H</sub>" with the correct subscript formatting for "H".

We hope that the changes made are again satisfactory and meet the criteria for publication.

Best regards.

The authors