

Response to reviewer

Comment 1: Tables 2 – The authors refer that they included means and standard deviations to the table. However, if I'm not mistaken, the table still do not have that information.

Response: We apologize for this oversight. We have now added the mean values and standard deviations (Mean $\pm$ SD) for all parameters to Table 2 as requested.

Comment 2: Figure 5 – Some p-values are missing from Figure 5b. For consistency, I suggest adding them.

Response: We appreciate the reviewer's suggestion. The missing values were extremely small p-values (<0.0001) automatically suppressed by the software's default settings. We have revised Figure 5b by adjusting the format string to force the display of all p-values to four decimal places (e.g., 0.0000), ensuring full consistency across the matrix.

Comment 3: Table 3 – The legend simply states "Coefficients". Please add more information.

Response: We agree with the reviewer that the original heading "Coefficients" was too vague. We have revised it to "Multiple linear regression coefficients for soil physicochemical properties predicting CO₂ emission".