

Interactive
Comment

Interactive comment on “Methodological interference of biochar in the determination of extracellular enzyme activities in composting samples” by K. Jindo et al.

Anonymous Referee #1

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Paper is an interesting about the influence of biochar in the determination of enzyme activities and the results can be useful to other researches. Nevertheless, some aspects of the paper should be improved:

1. Introduction can be improved adding references about the positive aspects of use of biochar in composting processes. Also, information about the influence of the application of biochar and compost with biochar in soil must should be added.

2. Materials and methods

2.1. It would be better to introduce a table with biochar properties instead of the description between lines 12 and 16. You can add this properties on a new table.

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2.2. Also, the different methods pH, elemental analysis, N, P, ash ...should must be described.

2.3. The temperature and heating rate are very important parameters with a great influence in biochar surface properties. The range of temperatures between 400-600°C is wide. Could you specify better the final temperature?

3. Results and discussion

3.1. the surface properties as you wrote (line 26) has a great importance in sorption. It should be a good idea to relate with iodine number and MB adsorption capacity. Perhaps, it could be interesting to determine these parameters in the final compost.

Questions:

1. Do you think that the same effect about the PNP determination could be observed in soils amended with these compost?

Interactive comment on Solid Earth Discuss., 6, 919, 2014.

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