

Comment on soil-2021-130

Anonymous Referee #2

Referee comment on "Dynamic and migration characteristics of soil free amino acids during the whole growth period of rice after application of milk vetch" by Jing Yang et al., SOIL Discuss., <https://doi.org/10.5194/soil-2021-130-RC2>, 2022

The manuscript "Dynamic and migration characteristics of soil free amino acids during the whole growth period of rice after application of milk vetch" is an interesting study about free amino acids in a paddy soil, taking into consideration the bacterial communities structure fluctuations during different plant growth stages. However, the manuscript should be improved before publication especially the material and methods section and the statistical analysis. In fact, many details are missing, which makes the work more complicated to understand and makes it difficult to permit the reproducibility. Below, some examples of points to modify.

L135: please describe the method.

L140: how many replicates?

L141: "another part" can you please precise the sentence. Quantity?

L147: please add °C.

Fig. 4: statistical analyses are missing.

Fig. 6: statistical analyses are missing.

Fig.5: please add the p-values.