Review

Title : Limited direct impacts of precipitation changes on microbial resource limitation in a moderately saline-alkaline desert steppe

The manuscript addresses the effect of precipitation on soil enzymes in acidic to alkaline soils. The experiment was conducted in Northwest China. Rainfall variations altered the length and angle of the vector by modifying soil properties (moisture, $NH4^{+}$-N concentration, pH), plant characteristics (diversity, carbon concentration, C:P), and microbial quantification (carbon content, C:N, C:P). The topic is important, and manuscript fits with the scope of the journal. but it has some weaknesses associated with the presented data and discussion have shortcomings as discussed below. Therefore, the current version of the manuscript needs major revision to be published in (egusphere). There are several issues must be addressed.

Major comments

1. From lines 125 to 128, please provide the references for the measurements and the method used. Also, what is the EC and pH ratio of the extract?

2. Please provide more detailed information about the results, including the best and worst treatments and their values, rather than simply listing the figure number.

3. For the discussion section, please provide additional references and recent studies that support and enrich the research. Also, please specify which studies align with your findings, which differ, and explain these differences.

4. References are generally very good, but they need to be expanded and cite recent research related to the research topic. (The references must be recent, as there are many articles related to this topic that were published during this period).

5. The discussion section needs work. There are no comparisons with other studies.

Overall, the manuscript is excellent, the effort is evident, and the idea is superb, but we would like to enhance the clarity of the research with further elaboration in the results and discussion section.