

Dear editor,

The manuscript titled " Effects of drought stress and Morchella inoculation on the physicochemical properties, enzymatic activities, and bacterial community of *Poa pratensis* L. rhizosphere soil (#85503)", which I had previously reviewed and suggested many corrections, was revised by the authors. However, when I checked the edits, I saw some shortcomings. The deficiencies in question are listed below. If the listed deficiencies are resolved, the article is suitable for publication. However, I would like to see the new version uploaded after the revision.

Best Regards.

Dear author(s),

The manuscript titled " Effects of drought stress and Morchella inoculation on the physicochemical properties, enzymatic activities, and bacterial community of *Poa pratensis* L. rhizosphere soil (#85503)", which I had previously reviewed and suggested many corrections, was revised by the authors. However, when I checked the edits, I saw some shortcomings. The deficiencies in question are listed below.

Kind regards.

Abstract

Lines 28-30: The sentence "Morchella inoculation significantly increased the alkaline nitrogen (AN) content, available phosphorus (AP) content, protease activity (PA), and alkaline phosphatase activity (APA) of *Poa pratensis* rhizosphere soil." can be replaced with "Morchella inoculation significantly increased the alkaline nitrogen (AN) and available phosphorus (AP) contents, protease activity (PA), and alkaline phosphatase activity (APA) of *Poa pratensis* rhizosphere soil."

Keywords

The words in the title should not be used as keywords. Using different words related to the article increases the findability of your article as a result of internet searches. Please determine new keywords that are not in the title.

Introduction

The introduction is generally well written. However, some references used in the introduction are not included in the reference list.

Line 41: The reference "Das et al., 2022" not included in the reference list.

Lines 60-62: The reference "Liu et al., 2022" not related in question sentence.

Materials & Methods

The material and method are generally well written. However, there are some errors as listed below.

Line 93: What is the “PDA” mean. It should be clearly stated where it is first used.

Line 101: Need a space between “3000” and “lx”.

Line 115: The reference “Rajendra, 1965” not included in the reference list.

Line 117: The reference “Albert, 1958” not included in the reference list.

Lines 114-117: The three methods in question should be written clearly enough that any scientist who reads the article can repeat them without needing anything else.

Lines 132-144: The method need citation.

Results

The "Results" section of the manuscript is generally well-written. However, there are some errors as listed below.

Lines 241: There are two “analyses” word in the sentence. One of them can be delated.

Lines 257-258: There are two “analyses” word in the sentence. One of them can be delated.

Discussion

The "Discussion" section of the manuscript is generally well-written. But there are some errors as listed below.

Line 283: I think “I” is not necessary in “mycorrhizal” word. You can write it as “arbuscular mycorrhiza” or “arbuscular mycorrhizal fungi”.

Lines 291: The reference “Melissa et al., 2023” not included in the reference list.

Lines 215-217: There is just one citation end of the sentence. But you write “other studies”. Need more citation or rewriting the sentence.

Author Contribution

Lines 420-427: The names of the authors are different in this section and first page.

References

There are significant deficiencies and errors in the references section. The publications mentioned in the sections above are not included in the reference list. Several references are not written in accordance with the rules. In addition, the reference list is not listed alphabetically. Furthermore, several publications with the same names and dates are not listed as “a” and “b”. For example; Liu et al., 2017 and Wang et al., 2019. They should be used as Liu et al., 2017a; Liu et al., 2017b. And Wang et al., 2019a; Wang et al., 2019b.