Review Form 1.6

Journal Name:	**International Journal of Plant & Soil Science**
Manuscript Number:	**Ms_IJPSS_88229**
Title of the Manuscript:	**Impact of Spent Mushroom Substrate on Glomus mosseae Establishment in Wheat (Triticum aestivum) and Pearl millet (Pennisetum glaucum)**
Type of the Article	**Original Research Article**

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, provided the manuscript is scientifically robust and technically sound.
To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(https://www.journalijpss.com/index.php/IJPSS/editorial-policy)

PART 1: Review Comments

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Compulsory REVISION comments	**Research is relevant**. The substrate from the production process of cultivated **mushrooms** is a material with a high lignocellulosic content and rich in organic matter, which, when **incorporated into the soil, changes its chemical attributes.** Thus, this substrate can be used in the preparation of organic compounds, the manufacture of biofertilizers and **chemical soil conditioner in semi-arid regions**. Thus, the research tried to evaluate the presence of the substrate in the growth, development and establishment of **Glomus mosseae fungi** to help the productivity of wheat and millet. The text is well reasoned, the introduction is well written and very clear, along with its objectives. The methodology is adequate as it corresponds to the proposed objectives. All results in the table are calculated correctly. The bibliography is updated and refers to authors with experience in the area.	
Minor REVISION comments	Grammar should be reviewed Need to fix typos and spellings	
Optional/General comments	Add the following references Sahithya K, Mouli T, Biswas A. Remediation potential of mushrooms and their spent substrate against environmental contaminants: An overview. Biocatalysis and Agricultural Biotechnology. 2022 Mar 18:102323. Salami AO, Elum EA, Salako YA. Bioremediation of a Crude Oil Polluted Soil with the Spent Mushroom Compost of Pleurotus pulmonarius and Glomus mosseae using Amaranthus hybridus as a Test Plant. International Journal of Biological Sciences and Technology. 2017;9(5):34.	

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PART 2:

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	**Virgínia Mirtes de Alcântara Silva**
Department, University & Country	**Universidade Federal de Campina Grande, Brasil**