Review Form 1.7

Journal Name:	**International Journal of Plant & Soil Science**
Manuscript Number:	**Ms_IJPSS_118567**
Title of the Manuscript:	**Cluster Analysis in Fodder Oats (Avena sativa L.)**
Type of the 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:

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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 **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	The article is original and includes important issues and cluster analysis of thirty fodder oats (Avena sativa L.) genotypes conducted at The Regional Agricultural Research Station at Ambalavayal in Wayanadan Eastern Plateaux of Kerala to identify superior genotypes that could increase forage production and improve nutritional quality during the Rabi season of 2022/23. Plant characteristics and leaf-to-stem ratio were studied. Six nutritional characteristics were also evaluated, including crude protein content, crude fibre content, total phenolic content, condensed tannin content, total antioxidant content and phytate content. It is interesting and deserves attention! Through meticulous experimentation and data analysis, this study is unique in because each cluster showcases its own distinct strengths and characteristics, making them valuable for specific selection purposes within the context of fodder oats accessions. The article is structured correctly and written in a good style, and the terminology used is correct. From the literature review, which includes 18 literature sources, it is clear that the author knows well the state of the problem. The results of the experiments are presented on 8 pages and are illustrated with 4 tables and 2 figure, consistent with the specifics of specific indicators, as well as the large number of studies reflected in the methodology of the article. The obtained results are interpreted correctly, and the methodology used is adequate to the set tasks. A very good statistical processing of the data has been made. It will be interesting to see further research is in improved sergeants in subsequent generations, particularly with regard to dry matter yield in forage oat. **Recommendations:** It would be good if the conclusions were separated in a separate chapter of the article.	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	The language quality of the article is suitable for scholarly communications. The exact terminologies and assay names used in the study were used.	
Optional/General comments		

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:

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