

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_128212
Title of the Manuscript:	EFFECTS OF LEGUMES CROPPING WITH ANDROPOGON GAYANUS KUNTH. SHORT-TERM FALLOWING ROTATION ON THE SOIL FERTILITY IN WEST CENTRAL REGION OF BURKINA FASO, KOUDOUGOU
Type of the Article	

PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript presents valuable insights into the potential benefits of integrating <i>Andropogon gayanus</i> in short-term fallowing rotations for soil fertility improvement in Burkina Faso. The findings contribute significantly to the understanding of sustainable land management practices in regions with degraded soils, offering practical solutions for improving soil fertility and agricultural productivity. The comparative study between continuous legume cultivation and fallow treatments in varying geomorphological units is well-designed, providing essential data on the impacts of different land management strategies. I appreciate the research's focus on local agricultural systems, which is critical for the development of region-specific strategies. Overall, this study is important for the scientific community, as it addresses key challenges in sustainable agriculture and offers a promising approach for soil restoration in semi-arid regions.	
Is the title of the article suitable? (If not please suggest an alternative title)	Title can be more concise The title suggested "Impact of <i>Andropogon gayanus</i> Short-Term Fallowing and Legume Cropping on Soil Fertility in Burkina Faso's West-Central Region"	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract provides a comprehensive overview of the study, including the problem, methodology and key findings. However, it could be improved by enhancing clarity and conciseness for better readability. For example, the experimental setup, such as the number of repetitions of plots, could be summarized more succinctly to avoid redundancy. While the methodology is generally clear, adding information about the study's duration would help clarify the research timeframe. The results are presented in a very data-heavy manner; summarizing the most significant findings and trends, rather than listing every individual change in nutrient levels, would make the abstract more accessible. Lastly, the abstract could emphasize the broader impact of the study, particularly how the findings contribute to sustainable farming practices and soil restoration in Burkina Faso.	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically robust, employing a clear experimental design with randomized blocks, systematic soil sampling, and validated analytical techniques like dry combustion for organic carbon and nitrogen, and ICP-OES for exchangeable bases. Statistical analysis using ANOVA effectively evaluates differences in soil properties, lending credibility to the findings. The results demonstrate the effectiveness of short-term fallows with <i>Andropogon gayanus</i> in improving soil fertility and reducing erosion, aligning with prior research and supporting its broader applicability to sustainable agricultural practices in Burkina Faso.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The manuscript includes a broad range of references, spanning foundational studies and recent works, which provide a strong theoretical basis. However, many references are older, with fewer recent citations addressing advances in soil management, climate change impacts, and integrated nutrient practices.	

Review Form 3

Is the language/English quality of the article suitable for scholarly communications?	The language and English quality of the article require significant improvement to meet the standards for scholarly communication. While the core ideas are clear, the manuscript contains numerous grammatical errors, awkward phrasing, and inconsistencies in sentence structure. For instance, sentences such as "on the one hand on the extension of" in the introduction are poorly constructed and detract from the paper's readability. A professional language editing service or thorough proofreading by a native English-speaking expert is recommended to enhance clarity, coherence, and overall quality.	
Optional/General comments	<ol style="list-style-type: none">1. Ensure that all scientific names are italicized throughout the manuscript to meet standard formatting requirements for scientific writing.2. Recent papers should be cited in the first paragraph of the introduction to provide a more updated context and enhance the relevance of the statistical data discussed.3. Figures and tables are informative but could be enhanced with additional visual aids, such as graphs to better illustrate trends and comparisons.	

PART 2:

	Reviewer's comment With the minor revisions noted for clarity and accuracy, this manuscript has the potential to make a significant contribution to this journal	Author's comment <i>(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<u>(No)</u>	

Reviewer Details:

Name:	P. Reddypriya
Department, University & Country	Professor Jayashankar Telangana Agricultural University, India