

Review Form 3

Journal Name:	Journal of Geography, Environment and Earth Science International
Manuscript Number:	Ms_JGEESI_125307
Title of the Manuscript:	Effect of Land Configuration and Vermicompost on hardening status of Gaillardia pulchella under micro-climate conditions
Type of the Article	research paper

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>This manuscript is important for the scientific community as it addresses both the ecological and agricultural aspects of Gaillardia pulchella, contributing valuable insights into sustainable cultivation practices. By exploring the effects of land configuration and vermicompost application, it offers practical strategies for enhancing plant growth and resilience, which could be beneficial for both commercial horticulture and conservation efforts. I appreciate the focus on optimizing environmental conditions for plant acclimatization, as it underscores the importance of adapting agricultural practices to promote biodiversity and ecosystem health. Overall, the manuscript combines theoretical knowledge with practical applications, making it a significant contribution to the fields of botany and sustainable agriculture.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title of the article could be more specific to reflect its focus on both land configuration and vermicompost application in relation to the growth of Gaillardia pulchella. A more suitable title might be: "Optimizing Growth of Gaillardia pulchella: The Effects of Land Configuration and Vermicompost Application on Plant Acclimatization and Yield." This title highlights the key variables being studied and their relevance to the plant's growth and resilience.</p>	
<p>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.</p>	<p>The abstract is generally comprehensive, covering the key aspects of the study, including the botanical characteristics of Gaillardia pulchella, the focus on land configuration and vermicompost application, and the goals related to plant growth and acclimatization. However, to enhance clarity and depth, I suggest the following:</p> <ol style="list-style-type: none"> 1. Methodology Overview: Briefly include information about the methods used to evaluate growth metrics, such as specific measurements or experimental designs. 2. Key Findings: Summarize a few key findings or expected outcomes to give readers insight into the results. 3. Implications: Clarify the broader implications of the research for sustainable agriculture, which could strengthen the relevance of the study. 4. Terminology: Consider simplifying or clarifying terms like "hardening configuration" for accessibility to a broader audience. <p>Incorporating these elements could make the abstract even more informative and engaging.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The manuscript has all required subsections and maintains a logical flow so its structure is seems to be appropriate.</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>This manuscript appears scientifically robust and technically sound as it systematically investigates the impact of land configuration and vermicompost application on the growth of Gaillardia pulchella. The research is grounded in established botanical principles and incorporates relevant methodologies that allow for accurate measurement and analysis of plant metrics. By addressing both the environmental conditions and the nutritional aspects provided by vermicompost, the study takes a comprehensive approach to understanding plant acclimatization and resilience. Furthermore, the emphasis on sustainable agricultural practices aligns with current trends in ecological research, indicating that the manuscript contributes meaningfully to the scientific discourse on plant cultivation and environmental stewardship.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :</p>	<p>These are some observations on references</p> <ol style="list-style-type: none"> 1. Recency: Most of the references appear to be relatively recent, with several from 2020 onwards. However, there are a few older references, such as those from 1998 and 2007. While foundational studies are important, the manuscript could benefit from a stronger emphasis on 	

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	<p>recent literature to ensure it reflects current research trends.</p> <ol style="list-style-type: none"> Relevance: Many of the references are relevant to the topics of land configuration, vermicompost, and their effects on plant growth, which is crucial for the study of Gaillardia pulchella. The inclusion of studies on pollinators and organic farming practices also adds value. Duplication: Reference 3 appears to be duplicated. This should be addressed to maintain clarity and conciseness. <p>Suggestions for Additional References:</p> <ol style="list-style-type: none"> Recent Studies on Gaillardia: Look for any recent research articles specifically addressing Gaillardia pulchella's growth, ecological roles, or its use in landscaping. Vermicompost Effects: Including more studies that focus specifically on the impact of vermicompost on flowering plants or ornamental species could enhance the manuscript's robustness. Sustainable Practices: References discussing sustainable agricultural practices, particularly in the context of ornamental horticulture, could provide broader context and support for the manuscript's objectives. 	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The writing is clear and concise, with appropriate use of scientific terminology. However, there are a few areas where the language could be improved for clarity and flow:</p> <ol style="list-style-type: none"> Sentence Structure: Some sentences are lengthy and may benefit from being broken into shorter, more digestible parts. For example, in the introduction, the sentence discussing the ecological significance of G. pulchella could be split for better readability. Consistency in Terminology: Ensure consistent use of terms throughout the manuscript. For instance, when referring to "vermicompost," it should be uniformly spelled and capitalized. Clarifying Abbreviations: Ensure that all abbreviations are defined upon first use, such as CRD (Completely Randomized Design). <p>Overall, while the manuscript is on the right track.</p>	
<p><u>Optional/General</u> comments</p>	<p>The manuscript provides valuable insights into the cultivation of Gaillardia pulchella and addresses important factors like land configuration and vermicompost application. However, clarity could be improved through better organization and sentence structure. Additionally, a more thorough literature review could strengthen the background context. Overall, with revisions, this work could significantly contribute to sustainable horticultural practices.</p> <ul style="list-style-type: none"> Strengths: <ul style="list-style-type: none"> --The manuscript covers important aspects of Gaillardia pulchella's cultivation and presents relevant experimental data. --The focus on sustainable practices is commendable. Areas for Improvement: <ul style="list-style-type: none"> --There are some issues with clarity, sentence structure, and minor grammatical errors that need addressing. Enhancements in these areas could significantly improve the manuscript's readability and impact. 	

PART 2:

	<p>Reviewer's comment</p>	<p>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)</p>
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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Reviewer Details:

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