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| Journal Name: | [**Asian Journal of Research in Botany**](https://journalajrib.com/index.php/AJRIB) |
| Manuscript Number: | **Ms\_AJRIB\_139621** |
| Title of the Manuscript: | **EFFECT OF DIFFERENT FERTILIZERS LIKE VERMICOMPOST, COW DUNG, COCOPEAT, AND SAND SOIL ON GERMINATION OF JOWAR AND BAJRA** |
| Type of the Article | **RESEARCH ARTICLE** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (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.** | **I suggest that this manuscript provides important findings into how different organic and natural growing media influence the germination and early growth of drought-resilient crops like jowar and bajra. It highlights the practical benefits of using low-cost, sustainable amendments such as vermicompost and cocopeat, which are especially relevant for regions with limited resources and challenging soil conditions. The findings can support efforts in organic and rainfed farming by improving crop establishment and reducing reliance on chemical inputs. Overall, the study adds to the growing body of knowledge on sustainable agriculture and seedling management practices.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **IT IS SUITABLE BUT I WILL ALSO RECOMMEND THE FOLLOWING :-**  **Comparative Effects of Vermicompost, Cow Dung, Cocopeat, and Sand Soil on Germination of Sorghum and Pearl Millet"** |  |
| 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. | * **Study Design Missing: The “Study design” line says “Mention the design of the study here.” This should be completed—e.g., "The study was conducted using a completely randomized design (CRD) with three replications."** * **Overly Long Sentences: Consider simplifying some complex sentences to improve readability.** * **Duration Correction: The phrase "between April 2025 and may 2025" should be corrected to "between April and May 2025."** * **Brief Conclusion Needed: The conclusion sentence is informative but could be shortened slightly for clarity and emphasis.** * **Results Summary: You may add a numerical or comparative reference (e.g., "T5 showed 90% germination compared to 60% in T2") for more impact.** |  |
| Is the manuscript scientifically, correct? Please write here. | Yes, overall the manuscript is scientifically correct, but a few technical and structural improvements can strengthen it further:-   * The objective is clearly defined and relevant to sustainable agriculture. * The experimental methodology—use of five treatment combinations with replicates—is appropriate for this type of germination study. * Parameters like germination percentage, germination speed, seedling vigor, and root/shoot growth are standard and correctly used. * The discussion is supported by citations and logically interprets the results. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The current manuscript includes a few key references, but overall, the references are limited in number and somewhat outdated. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language of the article is mostly clear and understandable, but it requires moderate revision to meet the standards of scholarly communication. |  |
| Optional/General comments | **· The manuscript presents a relevant and timely study that contributes to sustainable agriculture by exploring eco-friendly growing media for seed germination.**  **· The topic holds practical importance, especially for low-input and rainfed farming systems, and could benefit both researchers and practitioners in seed technology and organic farming.**  **· The experiment is simple and well-structured, but it would benefit greatly from the inclusion of statistical analysis to support the conclusions.**  **· Authors should revise the manuscript for language clarity, correct formatting, and complete any unfinished sections (e.g., study design).**  **· · Adding more recent and diverse references would improve the scientific depth and relevance of the literature review.**  **· Overall, the work is promising and publishable after minor to moderate revision.** |  |

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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:**

**Muzamil Yousuf, India**