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| Book Name: | [Current Research Progress in Agricultural Sciences](https://www.bookpi.org/bookstore/product/current-research-progress-in-agricultural-sciences-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4553** |
| Title of the Manuscript:  | **Composition of planting media and biological agents to improve physical and chemical properties of soil** |
| Type of the Article | **BOOK CHAPTER** |

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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 *(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 provides valuable insights into the enhancement of soil quality through the integration of organic amendments and biological agents, which is crucial for sustainable agriculture practices. By exploring the effects of various soil enhancers, such as goat manure, zeolite, and husk charcoal, combined with biological agents like PGPR and *Trichoderma sp.*, the study contributes to understanding how these components can improve key soil properties such as water retention, porosity, and nutrient availability. The research fills an important gap in the current literature, particularly in terms of optimizing soil conditions for better crop productivity. Additionally, the findings may inform future agricultural practices aimed at improving soil health and mitigating the negative environmental impact of synthetic fertilizers.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **YES** |  |
| 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. | **Some key results, such as the optimal composition of goat manure, zeolite, and husk charcoal that improved soil properties like water retention, bulk density, and nutrient content, should be highlighted. This research will benefit the scholarly community by providing new insights into the use of organic amendments and biological agents for soil enhancement, offering a foundation for future studies on sustainable agriculture and soil health management.** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Need corrections. Materials and Methods: The section is too brief. More detailed descriptions is needed.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Not sufficient. More recent references could be added. For example: 1. Hore, S. Assessment of soil chemical characteristics in the context of Bangladesh: A comprehensive review, Community and Ecology, 2(1), 2024; 2. Hore, R., Hore, S. (2024). Analysis of Dynamic Soil Properties by a Systematic Approach, Proceedings of the 10th International Conference on Civil Engineering, ICCE 2023** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Need to revision |  |
| Optional/General comments | Major revision will be needed |  |

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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)* |  |

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| **Reviewer Details:** |
| Name: | **Shoma Hore** |
| Department, University & Country | **Bangladesh** |