

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_128163
Title of the Manuscript:	Influence of Phosphorus and Phosphate-Solubilizing Bacteria on Soil Microbial Dynamics in Mustard under Gmelina-Based Agroforestry
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.	These results significantly benefit the scientific community by advancing the understanding of sustainable agricultural practices, particularly in agroforestry systems. The study demonstrates how PSB inoculation techniques, especially the combined soil + seedling method, can enhance beneficial microbial populations in soil, contributing to improved soil health and nutrient cycling. This knowledge supports the development of eco-friendly strategies to reduce reliance on chemical fertilizers, which aligns with global goals for sustainable farming. Furthermore, the findings provide a valuable framework for future research on microbial dynamics and their role in agroforestry-based cropping systems, paving the way for innovations in soil fertility management.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, its suitable	
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.	Yes, the abstract contains enough information. No, the abstract is well-structured and provides comprehensive details about the study's objectives, methods, and significant findings. It effectively highlights the key results and their relevance to sustainable mustard farming and soil health improvement.	
Is the manuscript scientifically, correct? Please write here.	The article is well-written and highly informative. I understand that the author focused on inclusive agroforestry practices, which naturally required significant time to obtain meaningful results. The study examines the influence of tree growth, with mustard being cultivated only during the winter and late winter seasons. The experiment, conducted at the Jawaharlal Nehru Krishi Vishwa Vidyalaya Research Farm in Jabalpur, required the author to carefully plan the incorporation of <i>Gmelina arborea</i> trees after the winter season, ensuring that subsequent crops grown in the summer are not adversely affected. However, it would be helpful if the specific dates of the experiment were explicitly mentioned for better clarity.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Most of the references cited in the study are from recent years.	

Review Form 3

Is the language/English quality of the article suitable for scholarly communications?	yes	
Optional/General comments	<p>If possible, the author could consider making the introduction more concise to improve readability. Additionally, as this is intended for an international journal targeting a modern scientific community, incorporating graphical representations, such as graphs comparing different PSB inoculation methods, phosphorus levels, and their effects on soil microbial populations across plots, would enhance clarity and make the findings easier to understand.</p> <p>It would also be helpful to specify the statistical analysis tools used in the study to provide greater transparency and reliability for the presented data.</p> <p>In the discussion section, I recommend that the author ensure consistency in the citation style throughout the manuscript. For example, the reference model should consistently follow either <i>Sharma et al., 2013</i> or <i>(Sharma et al., 2013)</i>, as chosen. Maintaining a uniform reference style not only improves the manuscript's readability but also aligns with the guidelines of most academic journals.</p>	

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?	<i>(If yes. Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Shyam Praveen Rajendran
Department, University & Country	Little Flower International School, Italy