

Review Form 3

Journal Name:	Asian Journal of Biotechnology and Bioresource Technology
Manuscript Number:	Ms_AJB2T_130111
Title of the Manuscript:	Development of Optimized Liquid Formulations of Azospirillum, Phosphate-Solubilizing Bacteria, and Rhizobium Strains for Enhanced Viability and Shelf Life
Type of the Article	Original Research Article

PART 1: 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>
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 addresses a critical challenge in agricultural biotechnology—developing liquid biofertilizers with enhanced microbial viability and extended shelf life. The findings provide practical insights into formulating stable microbial inoculants, which can reduce the reliance on chemical fertilizers, promoting sustainable agricultural practices. Furthermore, the use of specific additives to optimize microbial formulations adds value to ongoing research in biofertilizer technology.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is appropriate and effectively conveys the focus of the study. However, it could be made more concise, such as: "Optimized Liquid Formulations of Biofertilizer Microbes for Improved Viability and Shelf Life."	
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 is well-structured and provides a clear overview of the study's objectives, methods, results, and conclusions. However, including specific quantitative data, such as the highest CFU count retained or the best-performing formulations, could make it more informative.	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically robust, with a detailed methodology and comprehensive results. However, the discussion section could benefit from a deeper comparison with similar studies to contextualize the findings further.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are adequate and recent, covering relevant literature on biofertilizer formulations and microbial stability. To enhance the literature base, consider including recent advances in liquid biofertilizer formulation techniques published in 2022–2024.	
Is the language/English quality of the article suitable for scholarly communications?	The language is clear and scholarly. Minor revisions are recommended to enhance readability, such as rephrasing complex sentences in the discussion and introduction sections for clarity.	
Optional/General comments	The inclusion of graphical representations, such as comparative bar charts or trend lines for CFU counts, would enhance the visual presentation of the results. Consider providing a table summarizing the advantages and limitations of the tested additives for quick reference.	

Review Form 3

PART 2:

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

Reviewer Details:

Name:	Priti Patel
Department, University & Country	Mehsana Urban Institute of Sciences, Ganpat University, India