

Review Form 3

Journal Name:	Advances in Research
Manuscript Number:	Ms_AIR_127448
Title of the Manuscript:	Dual Inoculation with Bradyrhizobium japonicum and Phosphate Solubilizing Fungus Improves Plant Growth and Root Nodulation in Soybean (Glycine max (L.) Merr.)
Type of the Article	

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	<ul style="list-style-type: none"> - The study indicates the importance of the effect of dual inoculation with <i>Bradyrhizobium japonicum</i> and phosphate solubilizing fungi on growth and yield of soybean. - Results of the current study, dual inoculation of soybean seed with <i>Bradyrhizobium japonicum</i> @ 25 g/kg seed and <i>Aspergillus niger</i> @ 10 g/kg seed in conjunction with application of 75% of recommended dose of nitrogen and phosphorus and 100% of recommended dose of potash is most economical for improving plant growth and root nodulation, since it resulted in 25% saving in nitrogenous and phosphatic fertilizers. - The use of bio fertilization is a clean, environmentally friendly, and cost-effective method in agricultural production. 	
Is the title of the article suitable? (If not please suggest an alternative title)	The impact of bio and mineral fertilization on plant growth and root nodulation in soybean (<i>Glycine max</i> (L.) Merr.) Or Integration between bio and mineral fertilization on soybean (<i>Glycine max</i> L.) productivity and plant growth.	
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.	Keywords must not be similar to the words in the title of the manuscript.	
Are subsections and structure of the manuscript appropriate?	Y	
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.	Current study resulted in 25% saving in nitrogenous and phosphatic fertilizers. The use of bio fertilization is a clean, environmentally friendly, and cost-effective method in agricultural production and test plant is soybean. Soybean is one of the most important pulse crops in the world..	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References are very old and it is preferable to update.	

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Minor REVISION comments	Y	
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	<p>There are some corrections that researchers should pay attention to:</p> <ul style="list-style-type: none">▪ Must be written the Equations or methods used in calculating the microbial population at flowering▪ It is preferable to conduct a chemical analysis of the soil before and after planting, to determine some chemical and physical properties, and to assess the impact of these treatments on soil characteristics and their relationship with plants.▪ Other relevant characteristics should be noted besides production and growth traits when using study variables such as enzymes, for example▪ The space between plants 5cm?!!!! line 107▪ Time of sown the test plant in 2018? and publish 2024? !!!!!	

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:	Ashraf Ahmed Mohamed Habib
Department, University & Country	Desert Research Centre, Egypt