Review Form 1.6

Journal Name:	**Asian Soil Research Journal**
Manuscript Number:	**Ms_ASRJ_93718**
Title of the Manuscript:	**Influence of cyanobacterial inoculum on the growth features and yield of peanut plants in sandy soil**
Type of the Article	

General guideline for 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.
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PART 1: Review Comments

	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)*
Compulsory REVISION comments	Title **Influence of Cyanobacterial Inoculum on the Growth Features and Yield of Peanut Plants in Sandy Soil** **Abstract** 1…fertilization ratios.There were used three….. **2...**of 60 mL per …. **3.**The findings demonstrated that cyanobacteria inoculation of peanut plants generally improved plant growth, resulting in significantly higher grain yields than uninoculated treatments. **4.**…+ 75% nitrogen (N) produced … **5.**..the amount of N, phosphorus (P), potasium (K), and calcium (Ca) in peanut plants. **6.**…count, carbon dioxide (CO_2) evolution… **INTRODUCTION** **7.**From Abdelghany et al. (2022) The peanut (Arachis hypogea L.) is one of the most essential and economical oleaginous crops grown in tropical and subtropical regions of the world, mainly because of its oil, protein, and carbohydrates [1]. Peanut seeds …. **8.**Now, you can use only…. ….the groundnut plant contain more…. **9.**..by 50 and 75% nitrogen ratios **MATERIAL AND METHODS** **10.**…summers in 2021 and 2022 … **11.**….at a speed of 3000 rpm, and… **12.**….planting directly, a foliar spray at a rate of 60 L fed^{-1} and the third treatment… **13.**The explanation has been done before, so, now, you can use… ….recommended doses of K and P fertilization were added…. 14….and N as… 15…. monocalcium super phosphate (15.5% P_2O_5), and N as… 16….dose of N…. 17...the international pipette method with hexametaphosphate as the dispersion agent. 18.**Table 1.** Please explain the abbreviation EC, inside the Table or below it, as a legend. 19.**(mmol c L^{-1})** 20.**CO_3^-** 21.**HCO_3^-** 22. **(mg kg^{-1})** 23.**2.3.2. Some soil biological activities** **24.**Soil biological activity of peanut plants rhizosphere was determined at 70 days… **25.**I suggest: …. **Total bacterial** count was performed on nutrient agar using the spread plate method [19]. **Total cyanobacterial** count was conducted by plating ten-fold serial soil suspension-dilutions in triplicate onto agarized BG11 medium [20]. **CO_2** evaluation was determined according to Gaur et al.[21] and **indole acetic acid (IAA)** in soil determined according to Gordon and Weber [22] **26.**Please pay attention to the Font size everywhere. **27.**..and analysed plants. 28.Data in Table 2 show….	

	29.Too long phrase. Please reformulate to be better understood by the reader. In all treatments inoculation of both individual cyanobacterial strains with 75% nitrogen ratio recorded the greatest significant ….. 30. The same recommendation as above. Too long phrase. So, it is difficult to understood the obtained results. 31. ..conditions are shown in Table 3. Results …… 32.Please, again, too long phrases…. Please reformulate. …highest values were 5.34 % (N), 0.56 % .. 33.You can use now… After N, P, and K, Ca is a vital secondary…. 34...control treatment. The highest.. Please, again, pay attention to the phrases formulation! 35...462 mg CO_2 100 g^{-1} dry soil.. And so on, in other cases…. 100 g^{-1} 36.Please pay attention to the correct position inside the text, for Table 4. 37. These outcomes may be explained…… 38.**CONCLUSION** The current study found that cyanobacteria play a beneficial role in improving the status of soil in terms of physical, chemical, and biological properties 39.**REFERENCES** Please carefully verify the section.	
Minor REVISION comments		
Optional/General comments		

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:

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