

Review Form 3

Journal Name:	Asian Journal of Research in Crop Science
Manuscript Number:	Ms_AJRCS_128049
Title of the Manuscript:	Study of endophytic bacteria in pearl millet (<i>Pennisetum glaucum</i> (L.) R. Br.) roots
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.	Rhizospheric endophytes play a crucial role in promoting plant growth by producing phytohormones such as auxins and gibberellins, enhancing nutrient uptake. They improve crop resilience by protecting plants against biotic stresses, such as pests and pathogens, through mechanisms like competition, antibiosis, and induced systemic resistance. Endophytes facilitate adaptation to abiotic stresses like drought, salinity, and heavy metals by enhancing root system efficiency and producing stress-alleviating compounds. These microorganisms contribute to soil health by participating in nutrient cycling processes, including nitrogen fixation and phosphate solubilization, enriching the rhizosphere. Utilizing endophytes in agriculture can reduce dependency on chemical fertilizers and pesticides, promoting sustainable and eco-friendly farming practices. Thus the present paper is appreciated since the scientist(s) has attempted to isolate, characterize and identify the endophytic bacteria associated with pearl millet, a millet categorized as a major millet for the rainfed tracts of the country.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes. The title is appropriate for the content of the article.	
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 comprehensive and gives an overview of the topic and the results thereof.	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically correct.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References are sufficient. But the author is advised to go through the manuscript thoroughly with respect to the citing of references. <ul style="list-style-type: none"> • 15 references seen under "References" is missing "In-text" • 11 references seen "In-text" is missing in the "References" • 1 reference given in "References" is incomplete All the above corrections have been pointed out as marginal comments. Care to be taken for the proper arrangement of the "References" in alphabetical order.	

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Is the language/English quality of the article suitable for scholarly communications?	Language is good. Few typographical errors pointed out as marginal comments need to be corrected.	
<u>Optional/General</u> comments	The topic is of relevance and the paper is scripted in a scientific manner. However, the reference part of the paper requires diligent correction.	

PART 2:

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

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