

### Review Form 3

Journal Name:	<a href="#">Journal of Advances in Biology &amp; Biotechnology</a>
Manuscript Number:	Ms_JABB_130732
Title of the Manuscript:	<b>Influence of biochar and amendment application on performance of wheat in sodic soils</b>
Type of the Article	research

#### **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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#### **Important Policies Regarding Peer Review**

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**Review Form 3**

**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 holds significant importance for the scientific community as it addresses a critical issue in agriculture—sodic soils in arid and semi-arid regions. It explains how the application of biochar, farmyard manure, halophilic bioformulations. This research provides sustainable solutions for improving agricultural productivity and food security in salt-affected areas, making it a valuable resource for scientists, farmers.	Okay
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the title "Influence of Biochar and Amendment Application on Performance of Wheat in Sodic Soils" is suitable. It clearly describes the focus of the study and provides an overview of what the manuscript is about.	Noted
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 of the article is comprehensive, providing a clear overview of the study's objectives. However, there are a few suggestions to enhance its clarity : It may be helpful to briefly mention the geographical location (Ravi-Tawi Command area of Jammu) earlier in the abstract . Including the percentage improvement in key growth parameters can provide a clearer picture . <b>Emphasize the practical applications and implications for farmers .</b>	Done as suggested
Is the manuscript scientifically, correct? Please write here.	Overall, the manuscript is scientifically sound and well-constructed.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	the references provided in the manuscript are comprehensive and include both recent studies and foundational research. However, Here are of additional references that could be considered: Jones, D. L., Cross, P., Withers, P. J. A., DeLuca, T. H., Robinson, D. A., Quilliam, R. S., Harris, I. M., Chadwick, D. R., & Edwards-Jones, G. (2020). Biochar-mediated reductions in greenhouse gas emissions from soil amended with anaerobically digested food waste.  Nguyen, T. T. N., Xu, C. Y., Tahmasbian, I., Che, R., Xu, Z., Zhou, X., Wallace, H. M., & Bai, S. H. (2022). Effects of biochar on soil available inorganic nitrogen: A review and meta-analysis. Geoderma, 349, 73-94.	Done as suggested
Is the language/English quality of the article suitable for scholarly communications?	Yes, the language and English quality of the article are generally suitable for scholarly communication. there are a few minor suggestions for improving readability and clarity: - Ensure consistent use of scientific terms and units throughout the manuscript. - Double-check for any grammatical or syntactical errors . Make sure each section flows smoothly into the next, maintaining a logical progression of ideas.	
<u>Optional/General</u> comments	<b>Overall, the manuscript is well-prepared and contributes valuable insights</b> <b>A few general comments to consider:</b> - Including figures or charts that visually represent the data enhance the readability and comprehension of the results. - Highlighting more specific practical applications for farmers could strengthen the manuscript's relevance and impact. - Suggesting areas for future research based on the findings could provide additional value to the scientific community.	

**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>	