

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Original Manuscript_IJECC_118111
Title of the Manuscript:	Remediation of saline soils using halo-tolerant plant growth promoting rhizobacteria
Type of the Article	Review 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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. Is the manuscript important for the scientific community? This manuscript is important for the scientific community as it addresses a critical issue in agriculture: soil salinization. The review highlights the potential of halo-tolerant plant growth-promoting rhizobacteria (HT-PGPR) as a sustainable solution for remediating saline soils, which is essential for enhancing crop yields and ensuring food security. The manuscript provides a comprehensive analysis of the current state of research and identifies key areas for future investigation, making it valuable for researchers, agronomists, and policymakers. 2. Is the title of the article suitable? The current title, "Remediation of saline soils using halo-tolerant plant growth promoting rhizobacteria," is suitable as it clearly indicates the focus of the study. However, for better clarity and impact, consider a slight revision: Suggested Title: "Sustainable Remediation of Saline Soils Using Halo-Tolerant Plant Growth-Promoting Rhizobacteria: A Comprehensive Review" 3. Is the abstract of the article comprehensive? The abstract is comprehensive and effectively summarizes the main points of the manuscript. It outlines the problem of soil salinization, the limitations of traditional remediation methods, the potential of HT-PGPR, and the research gaps and future directions. 4. Are subsections and structure of the manuscript appropriate? The subsections and structure of the manuscript are appropriate. The division into sections such as introduction, sources of soil salinization, effects on soil and plants, remediation methods, and research gaps helps in presenting the information logically and coherently. 5. Do you think the manuscript is scientifically correct? The manuscript is scientifically correct, with well-supported arguments and references to relevant studies. The analysis of the mechanisms through which HT-PGPR aids in soil remediation is detailed and supported by recent research. 6. Are the references sufficient and recent? If you have suggestions for additional references, please mention in the review form. The references are sufficient and recent, reflecting a thorough review of current literature. However, it would be beneficial to include more recent field studies to support the practical application of HT-PGPR. Additionally, including more diverse geographic studies could provide a broader perspective on the applicability of HT-PGPR across different environments. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<ol style="list-style-type: none"> 1. Is the language/English quality of the article suitable for scholarly communications? The language quality is generally suitable for scholarly communications. However, there are minor grammatical errors and areas where the text could be made more concise. Specific suggestions include: Correct minor grammatical errors (e.g., "Salinity stress impact plant growth" to "Salinity stress impacts plant growth"). Improve readability by summarizing detailed information in the introduction and other sections. 	
<p>Optional/General comments</p>	<p>The manuscript is a valuable contribution to the field of sustainable agriculture, providing a thorough review of the potential of HT-PGPR for remediating saline soils. With minor revisions for clarity and conciseness, it will be an excellent resource for advancing research and practical applications in this area.</p>	

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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:	Angel Lhi D. Alcalde
Department, University & Country	Notre Dame of Midsayap College, Philippines