

Review Form 1.7

Journal Name:	Asian Journal of Research in Crop Science
Manuscript Number:	Ms_AJRCS_113992
Title of the Manuscript:	EFFECT OF BACILLUS PUMILUS STRAINS ON HEAVY METAL ACCUMULATION IN LETTUCE GROWN ON CONTAMINATED SOIL
Type of the Article	Original Research Article

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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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>I. The manuscript provides valuable insights into the "Effect of Bacillus pumilus Strains on Heavy Metal Accumulation in Lettuce Grown on Contaminated Soil," shedding light on the role of microbial strains in mitigating heavy metal accumulation in plants. This specific aspect of microbial-assisted phytoremediation is important for the scientific community as it addresses the pressing issue of soil contamination with heavy metals. The key issues addressed in the manuscript include the efficacy of Bacillus pumilus strains in reducing heavy metal uptake by lettuce, the mechanisms underlying this process, and the potential implications for agricultural practices and environmental remediation efforts. The manuscript offers innovative solutions by highlighting the potential of microbial-assisted phytoremediation as a sustainable and eco-friendly approach to mitigate heavy metal pollution in agricultural soils, making it significant for researchers in the field of environmental science and agriculture.</p> <p>II. The title accurately reflects the content of the article, effectively summarizing the main focus and findings.</p> <p>III. The abstract provides a concise overview of the study, summarizing the objectives, methods, key findings, and implications effectively. However, it could be strengthened by including more specific details on the methodology and results. For instance I could understand the main finding of the review article is that Bacillus pumilus strains effectively reduce heavy metal accumulation in lettuce grown on contaminated soil, highlighting the potential of microbial-assisted phytoremediation as a sustainable solution for mitigating heavy metal pollution in agricultural environments. The question there is will the viewers be able to understand. Therefore, the objective of this study has to be explained properly.</p> <p>IV. The subsections and structure of the manuscript are logically organized, guiding the reader through the research process seamlessly. Each section transitions smoothly, enhancing the overall coherence and readability of the manuscript.</p> <p>V. The manuscript demonstrates a high level of scientific rigor, with well-supported arguments and evidence-based conclusions. The methodology is sound, and the results are presented clearly, contributing to the credibility and validity of the research</p> <p>VI. The references cited are relevant and recent, providing a comprehensive foundation for the study</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<ul style="list-style-type: none"> Clarify any technical terminology or concepts for readers who may be less familiar with the topic. The paper is well-written, addresses important scientific questions, and adheres to ethical standards. However, there is room for improvement in the discussion/Conclusion section to provide more nuanced interpretations and implications of the findings. 	

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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