



Review Report

Final Title Antioxidant Activity of Promising Probiotic Potential Lactobacillus Plantarum: A Review
 Submission Title: Antioxidant Activity of Promising Probiotic Potential Lactobacillus Plantarum: A Review
 Submission Date: March 13, 2025
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Round 1

Reviewer 1	
Name: Anonymous	
Conflict of Interest: None	
Date of Reviewer's Comments: March 25, 2025	
Date of Author Response: March 28, 2025	
Reviewer 1 Comments	Author Response
Reviewer Recommendation: Accept submission Overview: The manuscript provides a concise and well-organized Antioxidant Activity of Promising Probiotic Potential Lactobacillus Plantarum: A Review. The structured approach makes it informative and valuable to readers. While the manuscript aligns well with the journal's scope, some revisions are necessary before acceptance.	Thank you for your observation. However, we have corrected all of this according to our observation and marked it as "RED" color.
The aim in the abstract should be more concise. Additionally, include the novelty of this study to highlight its unique contribution.	Thank you for your comment. We have improved our manuscript abstract
In the abstract, line 30, the term 'synergistic effects' is mentioned. Kindly specify the synergistic effects being discussed.	Thank you for your valuable comments. We have briefly mentioned 'synergistic effects' in our manuscript.
The literature search strategy should be clearly outlined, specifying the range of years during which the information was sourced.	Thank you. Done.
Table 1 does not include information on the route of administration or the sample size of mice. Kindly add these details to enhance the completeness and clarity of the table.	Thank you for your valuable comments. We have revised the manuscript.
The legend in Table 1 should be reorganized in alphabetical order for better clarity and consistency. Additionally, the font size should be adjusted to 11 to maintain uniform formatting throughout the document.	Thank you. Done.
The font size of the figure legend in Figure 1 should be adjusted to 11 to maintain consistency with the document's formatting.	Thank you. Done.
In the mechanism, please focus on the potential antioxidant mechanisms and remove unnecessary details, such as the source of lactic acid bacteria, optimization of chemical and physical conditions, and exploration of characteristics.	Thank you. We have improved our manuscript mechanism.
Include a section on future perspectives, discussing how this study could progress to clinical trials, before the conclusion.	Thank you for your suggestions. The future perspectives of this investigation have already been addressed in the conclusion section.
Lactobacillus plantarum appears multiple times throughout the text. Consider using an abbreviation (e.g., L. plantarum) after the first mention for brevity and readability.	Thank you. Done.
Ensure that all citations are accurate and consistently formatted throughout the manuscript.	Thank you. Done.
Some references are missing DOI links. Including them would enhance accessibility.	Thank you. We have improved our manuscript, missing DOI links in the references section.
The entire manuscript requires some grammatical corrections.	Thank you for your observations. We mistakenly wrote this; we have revised it in the manuscript.
Reviewer 2	
Name: Sharmita Ghosh Situ	
ORCID: 0009-0005-4212-7821	
Conflict of Interest: None	
Date of Reviewer's Comments: March 23, 2025	
Date of Author Response: March 28, 2025	
Reviewer Comments	Author Response
Reviewer Recommendation: Revision Required	Thank you for your comment. We have improved our manuscript

Overview: The antioxidant properties of <i>Lactobacillus plantarum</i> are intriguingly discussed in this manuscript. The study is simply and clearly stated, and the results may be useful for treatment approaches that control antioxidant activities. Nevertheless, please explain and correct some issues that I have mentioned below.	
In the introduction part, you could add other pharmacological activities of <i>Lactobacillus plantarum</i> as a general background/information.	Thank you. We have mentioned all the pharmacological activities of <i>L. plantarum</i> in the introduction section.
In line 137 of the manuscript, DPPH radicals and ABTS free radicals have not been written separately. Please correct it. (It should be DPPH radicals and ABTS free radicals, not DPPH radicals ABTS.)	Thank you for your valuable comments. Done.
In case of using the short form of any words, use it first, and then mention just the short form in the overall manuscript. Check and correct it. (For example, you mentioned DPPH and ABTS radicals at first in short form, and then you wrote them in full form in another paragraph.	Thank you for your valuable comments. Done.
Rewrite <i>in vivo</i> antioxidant effect result part for more clarification and give more details about C88, FC225, and NJAU-01 strains to make the reader more comprehensible about it, such as mentioning characteristics.	Thank you for your valuable comments. Done.
It's better to give a comparison of the previous studies on <i>Lactobacillus plantarum</i> in the result sections; it can be based on several strains.	Thank you for your comments. Done
Mention limitations of the previous studies if they have any.	Thank you for your valuable comments. We have mentioned some major limitations and comparisons with previous studies.
Recheck grammatical errors and repetition of any outcomes.	Thank you for your observations. We have revised it in the manuscript.

Round 2

Reviewer 1 Name: Anonymous Conflict of Interest: None Date of Reviewer's Comments: March 28, 2025 Date of Author Response: Not required	
Reviewer Comments	Author Response
Reviewer Recommendation: Accept Submission	-
Reviewer 2 Name: Sharmita Ghosh Situ ORCID: 0009-0005-4212-7821 Conflict of Interest: None Date of Reviewer's Comments: March 28, 2025 Date of Author Response: Not required	
Reviewer Comments	Author Response
Reviewer Recommendation: Accept Submission	-