

Review of: "Techno-Economic Fermentative Microbe-Based Industrial Production of Lactic Acid (LA): Potential Future Prospects and Constraints"

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Potential competing interests: No potential competing interests to declare.

The manuscript needs major revision. Here are some comments that can improve its quality:

- 1- The title needs to be modified to be more precise and representative.
- 2- The structure of the abstract is a bit confusing. Please rewrite it in a clearer way to present the main messages of this review paper.
- 3- The introduction is also confusing to some extent. The authors wrote about too many different problems and ideas without proper linking between them. Hence, it is recommended to rewrite or restructure it to be more focused on LA production and how it is related to biomass valorization, besides the gaps in literature that motivated the authors to write this review.
- 4- Sections 2, 3, and 4 are recommended to be gathered in one section.
- 5- The future work and recommendations section should be extended to include more recommendations with a proper structure.
- 6- Before this section, another section about the gaps and limitations should be added.
- 7- The authors should be more focused on the aspect of the review; is it about LA production or about the production of modified microbial strains that facilitate LA production?
- 8- The quality of the figures, including the graphical abstract, needs improvement.
- 9- The highlights should present the key messages or findings of the manuscript. Accordingly, it is recommended to rewrite them for this main purpose.