

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

Rosnah Abdullah¹

¹ University of Brunei Darussalam

Potential competing interests: No potential competing interests to declare.

1. Overall, this paper has reviewed quite extensive studies to cover the main objectives of this review work. Authors are applauded for the preparation of table summaries. However, the story-line of some parts of this paper does not flow; hence, the objectives of this work are not conveyed properly to readers. Authors are to check for grammatical errors and are suggested to be consistent in using either numerical presentation or written numerical values. Authors are advised to consider the points here for the betterment of the paper.
2. Abstract - it can be better and more comprehensive.
3. Authors are to supply higher resolution diagrams and figures.
4. Page 4/31 - '*SCB is a lignocellulosic biomass with varying percentages... Lignin is a major constituent, accounting for 60%*'. -These two sentences are contradicting. Authors are to rephrase to avoid confusion.
5. Page 5/31 – This paragraph does not flow, and it is too long. Authors are advised to revise this paragraph and the lignin contents.
6. Page 5/31 – '*Four main modules ensure SCB valorization to lactic acid, resulting in economic, technologically competitive, ecologically safe, and long-lasting business success*'. - In the main text, it is not clear in the discussion of these four modules.
7. Page 5/31 - '*A promising compound with a Technological Readiness Level of 8 is under development for commercial production using the LCB approach*'. – This is interesting; authors are suggested to elaborate briefly on this compound.
8. Table 2. Preconditioning, biomass recalcitrance, and carbohydrates recovery(**%-age**) indicating optimized valorization of sugarcane bagasse. -Write either % or percentage.
9. Section 6.2 can be divided into 2 paragraphs.
10. Table 4 is missing.
11. Define MSP in the conclusion section.

12. The section on Conclusion and Future Prospects.

- Each paragraph is too long, and they can be divided into shorter paragraphs.
- This section can even be two separate headings.