

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.

1. Techno-economic should be the focus in the abstract and the content of the article, as reflected in the title. The economic aspect, especially, is absent.
2. Graphical abstract – it is difficult to comprehend where the starting point is.
3. Explain all abbreviations when they are used for the first time.
4. The introduction should be more concise, and the aim should be highlighted. Part of the introduction focuses on bioethanol, whereas the title is about lactic acid. Corn stover should not be the focus in the last paragraph of the introduction if the focus is on sugarcane bagasse. Relate the objectives of the work to the title proposed.
5. Under Section "Biomass Recalcitrance and Carbohydrate Recovery," the content which states primarily about biomass processing through an extruder is not addressing this subtitle.
6. Under Section "Biodetoxification and Pretreatment with Dry Acid," suggest improving writing to focus on pretreatment related to lactic acid production, pretreatment efficiency, and give insights into the prospect of pretreatment.
7. Under Section "Valorization of Bagasse," authors are focusing on the enzymatic aspect. Revise subtitle to enzymatic valorisation of bagasse to lactic acid.
8. Under Section "Microbes-based LA Production," suggest giving an overview of microbial LA production. The focus of this section is unclear.
9. The content should be organised to outline fermentation technology, microbial strains, operating conditions that could contribute to a high yield in Section 6.2.
10. The conclusion should be more concise and shortened.
11. The article should be revised to make the direction clearer, to outline concisely the current work done in lactic acid production, and to bring out the future prospects of this related field.

