

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

Dalia Saber¹

¹ Zagazig University

Potential competing interests: No potential competing interests to declare.

Comments to Authors:

Overall, this is a nice study provides information on the limitations and the solutions for industrial lactic acid production. The study also explores pretreatment, scarification, and fermentation techniques for industrial and lab-scale lactic acid production. In addition this study encapsulates the sugarcane bagasse-derived lactic acid processing, highlighting the potential of 2G lactic acid in expanding sugar industries and bio-based fuel production.

Before publication, there are some things that need to be addressed as follows:

1. The English needs to be further polished.
2. Some sentences is very long and need re-write. e.g. (LA is crucial for producingpharmaceutical, food, and biomedical industries [10].
3. Some of the abbreviations need clarification in the text to make them easier for the reader. (authors can keep the table of abbreviations as it is also.)
4. Figure 1 is in low resolution; please replace with good resolution images.
5. Tables are very long and difficult to follow.
6. Conclusions are statements of observations more than conclusions based upon those observations. Conclusions need some improvement.
7. There should also be a critical analysis of the work done by others and should have a section devoted to the missing areas that have not been addressed by others as areas for future work.
8. The following papers may help the review. Please cite

1- Saber D, Abd-elnaby AH, Abdelhaleim AM. Fabrication of ecofriendly composites using low-density polyethylene and sugarcane bagasse: Characteristics' degradation. *Textile Research Journal* 2023;0(0). doi:[10.1177/00405175231161281](https://doi.org/10.1177/00405175231161281)

2- Saber D, Abd elnaby AH. Recent developments in natural fiber as reinforcement in polymeric composites: A review. *AJAST* 2022; 6(3): 56–75.

3-. Ali HT, Abd El-Aziz AK, Saber D, et al. Multivariable analysis for selection of natural fibers as fillers for a sustainable food packaging industry. *Mater Res Express* 2021; 8: 095504.

4- EL-Meniawy MA, Abdelhaleim AM, Abdelnaby AH, et al. Mechanical properties and corrosion behavior of sugarcane bagasse fiber reinforced low density polyethylene composites. *EIJEST* 2021; 36: 63–71.