

COVER LETTER FOR SUBMISSION OF A PAPER TO JOURNAL OF BIOENERGY AND FOOD SCIENCE

Viçosa, Minas Gerais, Brazil. 04/07/2019.

Dear Editor the Journal of Bioenergy and Food Science,

I wish to submit a new manuscript entitled "**MODELING AND ANALYSIS OF ECONOMIC SCENARIOS OF THE WHEY-BASED CARBONATED BEVERAGE PRODUCTION PROCESS**" for consideration. I confirm that this work is original and has not been published elsewhere nor is it currently under consideration for publication elsewhere. In this paper.

The paper addresses the "**modelling and economic viability of fermented whey beverage process production**" and is important because "**is important because we demonstrate that current technology is adequate to use to produce soft drink from milk whey and it is economic viable in industrial context.**". The paper should be of interest to readers in the of area "**Food Engineer**".

In this manuscript we demonstrate that it is possible to produce carbonated beverages from the whey adopting the current industrial technology.

After simulation of the process, we obtained an internal rate of return (IRR) of 49.77%, exceeding the minimum acceptable rate of return (MARR), and a positive net present value in the pessimistic scenario.

The time of return of capital (TRC) was 10 months.

CONSENT TERM

I / We declare that:

1) The manuscript content is inedit and has not been published elsewhere nor is it currently under consideration for publication elsewhere.

2) There is conflict of interest in the research conducted? ☒ NO ☐ YES

Describe here, the interest conflict

3) The research received financial aid? ☒ NO ☐ YES

If yes, describe the agency name and process number

4) In case of acceptance of the article, the authors agree that the copyright relating to it will become the exclusive property of the Journal of Bioenergy and Food Science, Creative Commons license (CC BY-NC-SA).

5) In addition to the main author, all co-authors (if any) participated in the work enough to make public their responsibility for the content.

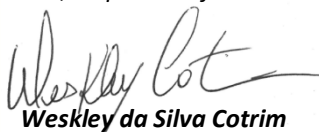
6) Relate below the CONTRIBUTION OF AUTHORS and ORCID number (<https://orcid.org/register>)

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This term will be signed by the main author, responsible for the other co-authors.



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