

# Review of: "The Effect of Fermentation on the Physicochemical Quality and the Presence and Levels of Pesticide Residue in Cow Milk"

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Potential competing interests: No potential competing interests to declare.

I have reviewed the manuscript titled "***The Effect of Fermentation on the Physicochemical Quality and the Presence and Levels of Pesticide Residue in Cow Milk***" and found the topic and the work to be of great interest and suitable for publication in **Qeios**. The manuscript is well-written and organized, with well-explained results, although most of the references are outdated. The work presented intersecting findings, making the manuscript acceptable after slight modifications based on the following comments.

- In the introduction section, some paragraphs need to be merged. Specifically, the three paragraphs on page 2 above the last paragraph can be combined into one paragraph.
- In the last paragraph on page 2, italicize "Lactobacillus and Leuconostoc genera."
- Use a consistent unit writing style, such as µg/mL for ppt, mL for ml, etc.
- Break the second statement in the text under 2.1. Collection of Milk Samples into two or three statements.
- In the methodology section, it is preferable to write "2.1. Chemical and reagents; 2.2. Preparation of solution; 2.3. Instruments and apparatus" before the topic 2.1. Collection of Milk Samples.
- In 2.3.3 Sample preparation, change "Ten grams" to "Ten gram."
- Correct "2.2.4. Cleanup" to "2.3.4 Cleanup," and correct the formula of MgSO<sub>4</sub> and C<sub>18</sub> (subscript 4 and 18).
- How was the limit of quantification (LOQ) of OCP and OPPs determined? It is unusual that different OCPs and OPPs had the same LOQ of 0.005 mg/kg and 0.01 mg/kg, respectively. Each pesticide should have its own LOQ. I strongly advise the authors to review their findings in this regard.
- It is strongly advised to replace some of the references with recent and updated references.
- Carefully edit the language.