

# Review of: "Uncovering Insights Into the Bio-Efficiency of Zingiber Officinale Roscoe: Understanding Components That Contribute Significantly to Ginger's Anti-inflammatory and Antioxidant Potential in Relationship With Modern Drying Methods"

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Potential competing interests: No potential competing interests to declare.

Comprehensive article with a useful objective. The following observations and suggestions are made, which are necessary for better support in content, methodology, interpretation of the results and clarity of the manuscript.

1) Page 2, Methodology. Describe how the collection was made. Include location, edaphoclimatic data and the phenological state of the plant.

2) Page 3. It could not be pulverized, since it is fresh, a better term would be to crush fresh

3) Page 3. Include the mesh number and mesh tradebrand

Section 2.1.2. Include the reference of this paragraph. Extraction time too short, justify

4) Section 2.1.4. Indicate how the calibration curve was made

5) Section 2.1.5.2. Indicate how the control was carried out

6) Section 2.1.6. Why was GC-MS used? This technique is generally applied to volatile monoterpenes.

In the case of phenols HPLC-MS is used to avoid degrading phenolic compounds. Explain and justify it in the document.

7) Section 2.1.6. Indicate how the compounds were identified, the software used and the comparison library. Include bibliographic reference of this paragraph

8) Section 2.2. Explain to which sample the simulator was applied:

to the albumin treated with the extracts?, generally and clearly mention what all the computational tests mentioned described in the paragraphs below consist of.

9) Section 3.1.- Include the spectrogram here.

Mention which compounds were identified in each of the extracts

using a comparative table. Include a table of the compounds found in each extract and that are mentioned in the document, such as FD-4, OD-2, etc.

and place the key corresponding to each compound.

10) Fig. 1.- Here it is suggested to use a bar graph

- 11) Table 3. This is not a table. It is advisable to choose the most important figures and place several on a single sheet. In the description indicate as Figure.
- 12) Figures 5 to 8.- Decrease the size of the graphics, place them together on one sheet.
- 13) 4. Discussions. Compare the results against other similar studies.