

# Review of: "Evaluation of Chemical Content and Phytochemical Composition of Yemeni Almond Cultivars"

Aise Deliboran

**Potential competing interests:** No potential competing interests to declare.

1. There are spelling and punctuation errors; please correct them. The sentence ends with a period, but there is no space when starting a new sentence. A few very minor fixes like this are needed.
2. Variety names must start with a capital letter because they are proper nouns. Please correct it.
3. Tables 3 and 4 can be combined. Thus, there is a chance to see the results more holistically. It would be much better if the mineral element contents were given in a single table for all elements. Our author has given the Zn, Fe, Mn, and Cu contents in table 3, and the K, Ca, Mg, Na, Al, and B contents are given in table 4. All elements can be given in a single table.
4. The information given as yield in Table 5 should be given as extraction yield, and its unit (%) should be stated in the bottom line. Additionally, units in other columns in the table should be placed in the next row.
5. In the materials and methods section, it is stated that the mineral content was determined by ICP. However, no information is given about the method used to obtain the extractions determined in the ICP. Please provide your extraction method.
6. It is written that the almond samples were ground after being brought to the laboratory and analyzed by keeping them at 4 °C. However, no information is given about what pre-treatments were made on the samples for mineral analysis. Therefore, it appears that the samples were ground and mineral analyzed without any processing. However, for such analyses, the material must be kept in an oven at 65 or 70 °C for 24 hours (until the sample reaches a constant weight), and then it must be ground and analyzed. Please examine this part.
7. The mineral element content in the fruit was studied in terms of Zn, Fe, Cu, Mn, K, Ca, Mg, Na, Al, and B element contents. If you have already done it on the samples you have, please add some other element analyses such as N, P, S, Cd, Co, Ni, Cr. Thus, there may be a chance for a more holistic evaluation.
8. There is no literature discussion under the title of results of cluster analysis for chemical content, and literature support must be provided in this section. Again, it was seen that the subject was not discussed at a sufficient level, although not enough literature was given in other sections. Please support the discussion by entering literature.

As you know, the nutritional element content of the fruit is closely related to the soil characteristics where the trees grow. Therefore, the soil characteristics of the gardens from which samples were taken should also be given. In fact, if leaf

samples are taken, the nutritional status of the trees can be better examined. Thus, the food chain from soil to leaves and fruit can be evaluated holistically. If soil and leaf samples have not been taken, they can be published after making the corrections mentioned above. The work is generally well designed and written. I congratulate you and wish you success.