

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

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Potential competing interests: No potential competing interests to declare.

Evaluation of Chemical Content and Phytochemical Composition of Yemeni Almond Cultivars Muneer

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Comments:

1. English language correction has to be done.

For example:

- The almond plant is considered one of the most important agricultural crops economically, nutritionally, and healthwise; its properties and chemical composition differ according to the places of its cultivation.

- (Moshfeqh et al., 2007; Lichtenstein et al., 2006; Sabate et al., 2006; Cesarettin et al., 2009)

- Almonds were cultivated in the Middle East 4000 years ago, and sweet almonds are an important and valuable specialty crop grown in many temperate and subtropical regions of the world. South Australia and the United States of America (Nizam et al, 2007).

- The seeds of the almond plant are one of the nuts that are a source of high nutrition. Almonds are also considered one of the most produced nuts in the world, as the amount of production worldwide reached 1.2 million tons in 2017. The US state of California is the most productive region, with almond production reaching about 81% of global production, followed by Australia at 7%, Spain at 4%, Iran at 1%, and Tunisia at 1% (Lillian et al, 2019).

- Almond seeds samples collection and preparation.

- Total phenols were determined by the Folin-Ciocalteu reagent colorimetric method (BinMowyna and Alsayadi, 2020; Al jawfi et al, 2014; Al jawfi et al, 2013; Makkar, 2003). Briefly, 1 ml of sample extract (0.1%, w/v), 0.5 ml of Folin–Ciocalteu reagent (1:2 v/v)...

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2. Standardize method names and definitions used.

For example:

- The Folin-Ciocalteu method is used for the determination of total phenolic content, not total phenols.
- Total phenolics, not total phenols.

3. Equipment manufacturing country and the number series of the machine should be specified.

4. Need a more specific description of all the methods used(mineral content, total phenolic content, total flavonoid content) **and formulas to calculate the amount** (total phenolic content, total flavonoid content).

5. The method for the determination of carbohydrate content was not shown.

6. Choose the right number of significant digits to display.

7. Need to determine the amount of phosphorus in almonds.

8. Many samples were not studied for total flavonoid content.

9. Need more concise conclusions.