

Review of: "Tomatoes Unveiled: A Comprehensive Exploration from Cultivation to Culinary and Nutritional Significance"

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Potential competing interests: No potential competing interests to declare.

I carefully reviewed the manuscript "Tomatoes Unveiled: A Comprehensive Exploration from Cultivation to Culinary and Nutritional Significance." Here are my comments: The manuscript presents an interesting overview of tomatoes, their use, the ingredients, and the potential health benefits. It is well written. However, in some parts, the manuscript simplifies the aspects too much, e.g., regarding the health benefits. For example, tomatoes are mentioned as an essential component for ocular well-being. The information that tomatoes are a rich source of the carotenoids beta-carotene, lutein, and zeaxanthin is not correct. Tomatoes are a rich source of lycopene, but for the other carotenoids, other food items are much better sources. In addition, the manuscript is not very innovative. There are already various reviews on tomatoes, their ingredients, and their health benefits, e.g., 1) Nutritional composition and bioactive compounds in tomatoes and their impact on human health and disease: A review, MY Ali, AAI Sina, SS Khandker, L Neesa, EM Tanvir... Foods, 2020, 2) Tomatoes: An extensive review of the associated health impacts of tomatoes and factors that can affect their cultivation, EJ Collins, C Bowyer, A Tsouza, M Chopra - Biology, 2022.

For the global cultivation area and the production of tomatoes (see page 2), a reference from 2014 is too old; please use a more recent reference with data from the last few years. For Table 1 on page 7, a reference is missing.