

Review of: "Microbiological analysis of commonly consumed vegetables: A review on the ongoing studies"

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Potential competing interests: No potential competing interests to declare.

The authors collected a lot of information and the writing style is also fluent. However, the article needs focus. What are the authors trying to review? Is it the analysis part, the microorganisms found in vegetables, or their risk to public health? The article seems to oscillate between these three points without spending sufficient time on either one. Additionally, I have the following suggestions for improvement.

Abstract

"Understanding vegetable spoilage mechanism/ microbial pathogenesis is important."

I think the correct word would be the role of microbial pathogenesis in the spoilage mechanism since all pathways of spoilage are not covered.

The abstract should contain one or two sentences about the aim and scope of the work.

1. Introduction

Paragraph 1

"However, microbiologically spoiled vegetables constitute a potential health hazard for" humans since the spoiled raw and fresh vegetables often serve as vehicles for pathogenic bacteria, viruses, and parasites

I think the word fresh is not needed here.

Paragraph 4

"Knowledge about diseases commonly linked with microbial contamination of vegetables is required especially for health professionals in order to find out the means of protecting the mass public health from vegetable-oriented disease complications."

I think either mass or public health should be used.

The authors should mention some of the available reviews on the topic and point out the gap in the literature; thereby establishing why this review is needed.

Some of the suggested reviews are:

1. Francis, Gillian A., Christopher Thomas, and David O'beirne. "The microbiological safety of minimally processed vegetables." *International Journal of Food Science & Technology* 34.1 (1999): 1-22.
2. Olaimat, Amin N., and Richard A. Holley. "Factors influencing the microbial safety of fresh produce: a review." *Food microbiology* 32.1 (2012): 1-19.

2. Foodborne illness

Paragraph 1

“As per a report published in 2020, FBD is a global public health problem affecting 600 million people annually (Faour-Klingbeil and Todd, 2019)”

The year in the text 2020 and in reference 2019 does not match.

Paragraph 5

2.1. Pathogen identification

Paragraph 3

This paragraph discusses why microbial analysis is needed which is already established in the introduction section. According to me, this paragraph should be removed.

2.2 Previous works on pathogen identification in fresh vegetables

This heading needs clarification. A review is by definition a collection of published work.

2.3 Prevalence of drug-resistant microorganisms in food

Paragraph 1

“Anti-microbial resistance (AMR), including multi-drug resistance (MDR), is a global health public health issue.”

1st health should be removed.