

Review of: "Color attributes, betacyanin, and carotenoid profiles, bioactive components, and radical quenching capacity in selected *Amaranthus gangeticus* leafy vegetables"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

I have to say that both the scientific interest of the paper and its quality seem to me to be very poor. This same author has published very similar papers with other *Amaranthus* species (*A. spinosus*, *A. viridis*, *A. blitum*,...). In general, this article does not contribute anything new.

I would like to say that I am not in favour of producing papers as if it were a factory, in a totally unrestrained way, and I believe that I am in one of those situations. I would like to state for the record that I am not judging the worth of the researcher, but his behaviour.

GENERAL COMMENTS

The paper presents a series of figures and tables that are difficult to contrast since neither chromatograms nor mass spectra of the different pigments analyzed are presented.

It is inexplicable that betacyanins and carotenoids are analyzed chromatographically but not betaxanthins. Data in Table 2 are erroneous because the wavelength of maximum absorbance of all carotenoids cannot be 450 nm. The data for daughters ions must also be wrong, because they are the same of molecular ions. Nothing is said about the method of betacyanin purification with Strata-X cartridges.

I find the bibliography totally unacceptable. It is unbelievable that more than 63% of the references (47 out of 74) are self-cited. This also gives an idea that this is an ethically unacceptable paper according to my point of view.

I believe that publishers should be rigorous in the scientific papers they publish and there are certain aspects that should not be exceeded.

In my opinion this paper needs to be thoroughly improved before publication.