

Review of: "Acacia Pycnantha Gum Exudates Recognised As a Traditional Food in Two Countries May Have Economic Potential"

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Potential competing interests: No potential competing interests to declare.

Dear Editor;

Thank you very much for giving me the possibility to contribute to the quality of this work. I found this study very interesting and motivating. However, in my humble opinion, the manuscript needs a critical major revision. In general, the structure of the article needs to be rearranged. In particular, the following list of suggestions may serve as a guide for improvements.

Title: The title is too general. It does not reflect the real content of the article (Productivity of AP gum during autumn harvesting).

Materials and Methods: Please specify the location from where the AP gum was collected and the corresponding standard biome classification. The sentences, "The 5-10g pieces can be sucked like a lozenge with a soothing mild flavour but in the past, were also cooked [11]. The gum pieces should not be chewed as its adhesive nature may extract fillings from the teeth," were they part of your own investigation? Did the authors suck, cook, or chew part of the collected AP gums? If yes, please include the results. If no, please move the sentences to the introductory part.

The second and third paragraphs belong to the introduction.

Results and discussion: Needs an extra effort to clearly state and discuss your own results.

In addition:

1) "The current retail prices (2023) for GA in Australia are AUS\$42/Kg, marketed for use as an emulsifier and adhesive [13]. Acacia pycnantha gum was collected and marketed in Western Australia in 1836, but collection was labour intensive, could not compete on price or quality with the African gums, which were widely available, and so was unsuccessful [5][8]." Please restructure these sentences. How is it possible to compare the current retail price of GA with the price of AP gums in 1836? Did the authors estimate the current cost of labour for collecting AP gum?

2) "The cost of labour is still high, likely preventing any commercial development of the resource unless the yield per tree could be improved or demand for the gum established." How can the authors state that the cost of labour is high? Please show the numbers.

