

# 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.

The authors presented a paper entitled "Acacia pycnantha gum exudates, recognised as a traditional food in two countries, may have economic potential.

I have several concerns about this paper, as reported below one by one:

- Please write the binomial name of the species in the title, line 1 of the Abstract, Keywords, graphical abstract, and line 1 of the Introduction.
- The abstract must contain complete sentences and not hints.
- Please write something more about the phytochemical composition of these two species, underlining the differences in quality and quantity, if any.
- I surely do not understand the reasons behind this work or the meaning of this work.
- "Approximately ( $\approx$ ) 40% of trees had gum, with  $\approx$ 1% of trees, usually mature trees, having significant amounts, while  $\approx$ 60% of younger trees had little or no gum." Why only 40%? Why only 1% with high amounts? And what is this amount? Why do young trees have little or no gum? All these things must be explained.
- "Seasonal conditions, rainfall, and location are likely to influence gum production." These parts must be developed. Did you study all these aspects?
- In Materials and Methods, you must report the materials and methods used, which I do not see. All this part must be revised.
- "Gum that had remained on the tree for months was still edible but had become hard and difficult to remove." And what studies did you perform to affirm this?
- "for consumption up to 30g per day." Why this dose? What happens at higher doses?
- And where do your results and discussion come from? This is a research paper, and all this section was not explained for the how.

- I actually do not see any results or any discussion. You took data from the literature. Where is the novelty of this paper?
- “ The cost of labour is still high, likely preventing any commercial development of the resource unless the yield/tree could be improved or demand for the gum established.” And where are these data to affirm this?
- “The recognised safety of AP gum in these countries may allow the sale of AP gum for non-food uses in other parts of the world, as an adhesive or for other uses, as for GA.” No. This depends on many other factors which must be studied.
- “Whether AP gum has any economic potential, as found for GA grown in Northern Africa, requires further research and development to increase the yield/tree and to create demand.” Given this sentence, all your paper is useless and void.