

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 paper provides a comprehensive overview of *Acacia pycnantha* (AP) gum, exploring its potential as a traditional food in Australia and New Zealand. The introduction effectively highlights the distinction between AP and the commercially established gum Arabic (GA) from *Acacia senegal*, setting the stage for the subsequent discussion. However, to enhance the clarity and flow of the introduction, consider organizing the information into more succinct paragraphs.

In the Materials and Methods section, the detailed description of gum collection and processing is informative. However, providing additional details on the research location, specific methods for gum yield improvement, and potential environmental influences on gum production would enhance the section's completeness. Additionally, it would be beneficial to perform a chemical composition analysis and to elaborate on the significance of the calcium carbonate coating in the context of both preservation and consumption.

The Results and Discussion section effectively presents the findings, comparing AP gum yield with that of GA and highlighting historical attempts to market AP gum. To enhance the discussion, consider incorporating a more explicit analysis of the economic viability of AP gum, drawing parallels with the success of GA in Northern Africa. Discussing potential strategies for improving yield and stimulating demand would add depth to the conclusion's call for further research and development.

There are considerable language use issues. Make sure to use an academic writing style when presenting information. There is room to streamline the language to improve overall conciseness. Carefully review sentences for unnecessary details or redundant information that might impede the reader's understanding.

Overall, the paper demonstrates strong potential with valuable content. Refining the objectives, providing more methodological details, expanding comparative analyses, and enhancing language precision will collectively elevate the scientific merit and readability of the paper.