

Review of: "Unravelling the Phytochemical and Pharmacognosy Contour of Traditional Medicinal Plant: *Pterocarpus Marsupium* Roxb"

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Potential competing interests: No potential competing interests to declare.

The article is well written and the review contains valuable information. It is a detailed review of the phytoconstituents of the medicinal plant, *Pterocarpus marsupium* Roxb and its pharmacological activities including antidiabetic, antioxidant, antimicrobial, anticancer, anti-inflammatory, memory enhancing activity, hepatoprotective and antihyperlipidaemic activity. The review is promising, novel and exciting. The manuscript may be considered for publication, but authors need to make minor revisions before that.

1. Authors should check and rectify for inconsistencies in the expression of units throughout the manuscript. Also there are several typographical and punctuation errors throughout the manuscript that need to be corrected.
 2. Is there no evidence that *P. marsupium* Roxb is native in tropical African and / or South American continents?
 3. What is the difference between fixed oils and essential oils? It would not be appropriate for the authors to classify oils under phytoconstituents since Essential oils contains active constituents such as citral, limonene and terpeneol etc.
 4. Authors should distinguish the phytoconstituents and essential oils (stating the active constituents as reported) into different columns in Table 2.
 5. Authors should illustrate the listed phytoconstituents in Table 2 with each diagram just as done in Table 1.
 6. For the pharmacological activities,
 - Antioxidant activity: authors should state the various results of the extracts and standards used in the assays mentioned in the first reference [40].
 - Antibacterial and antimicrobial activity: Mostly, Bacteria names are written with the genera of the bacteria abbreviated and in italic. Check after the first citation. Secondly, Bacteria (type of microorganism), qualifies under antimicrobial activity so it would be better for authors to use only antimicrobial activity.Also, Reference [37] says ethanol extract did not show any antibacterial activity, on the other hand, reference [44] reported ethanol extract showing even more potent activity. Can the author expound on this?
 - Anti-inflammatory activity: Reference [31] does not have information about bioactive fraction as said in the fifth paragraph of anti-inflammatory activity.
 7. Based on the results from the extracts of *P. marsupium* Roxb in the various pharmacological reviews, what would be the authors recommendation pertaining to the preference of the polar solvent and non-polar solvent side of extraction.
 8. Replace reference [3] (Wikipedia) with references to scientific articles or better still omit.
- Reference [2] is a reference from 2008 and therefore authors cannot say it is recent. Change that reference.

Organize the references; cite all in the same way, for example reference [28] and [43] do not have the title of the paper.