

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.

Dear editor,

The review manuscript entitled "Unravelling the Phytochemical and Pharmacognosy Contour of Traditional Medicinal Plant: Pterocarpus Marsupium Roxb" provides an extensive overview of the phytoconstituents and their pharmacological activities of Pterocarpus marsupium Roxb. It presents scientific relevance for the areas of Chemistry, Medicine, and other fields. Some authors have published articles related to the theme of the manuscript found in databases (Sciencedirect, Pubmed, MDPI, Web of Science, etc.). The language (English) is satisfactory (I suggest the final revision)! However, you need to change some details/information in the "abstract," "Introduction," "Conclusions," and other sections. I request information on the "methodological design" for obtaining information.

* **Abstract:** Adequate, but I suggest:

- Keywords: The words "Antibacterial" and "Anti-diabetic" are redundant and fit into "pharmacological activity." I suggest replacement!

- I suggest inserting information about the "methodological design"! See notes below!

* **Introduction section:** It is well written, but:

- I suggest inserting an opening paragraph with general information, introducing the article to the reader. Then start the review itself!

- I suggest more emphasis on the biological activities. Also, I suggest highlighting some of the toxicological aspects! Furthermore, I suggest highlighting the importance and innovation in the review proposal on this species.

- After the introduction, I suggest creating a "Methodology" section to indicate the "methodological design" for the writing of this review, such as (descriptors and databases used, criteria for the inclusion and exclusion of the analyzed articles, period of consulted publications, etc.)! Here is an example text:

"For this investigation, we carried out an exploratory search using the Pubmed database from the National Center for Biotechnology Information (NCBI) of the United States of America (available at <https://pubmed.ncbi.nlm.nih.gov/>). This

platform comprises approximately 30 million citations to MEDLINE's biomedical literature, life science journals, and online books".....Also, I suggest indicating the research period, use of boolean operators, strategy for analyzing materials, exclusion criteria, etc...

- The section "3. Taxonomic classification" is missing from the text!!! I suggest combining the sections "2. Botanical Description" and "3. Taxonomic classification," as well as expanding them.

*** 5. Pharmacological activities section:**

- I suggest expanding the section "5.8. Anthelmintic activity" or joining it with the section "5.3. Antibacterial and Antimicrobial activity".

- I suggest inserting a paragraph at the end of the section "5. Pharmacological activities" highlighting the main ideas discussed and perspectives on this theme.

- I suggest creating 1 or 2 tables containing characteristics/variables from published studies on the topic.

*** Conclusions section:**

- At the end of the section, I suggest highlighting the importance of the review for Chemistry, medicine, and other areas!

*** Tables:** Adequate! But, I suggest creating 1 or 2 tables containing characteristics/variables from published studies on the topic.

*** References:** Please check if the references are in accordance with the journal's rules.