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| Book Name: | [**Medical Science: Trends and Innovations**](https://www.bookpi.org/bookstore/product/medical-science-trends-and-innovations-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4839** |
| Title of the Manuscript:  | **Isolation and Characterisation of Docosanoic Acid, Quercetin and Vitexin from Dennettia tripetala Bak. f. Root and Stem Bark and their In-vivo Anti-inflammatory and Analgesic Activities** |
| Type of the Article | **Book Chapter** |

**General guidelines for the Peer Review process:**

**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.**

This Book’s peer review policy states that **NO** manuscript should be rejected only on the basis of ‘**lack of Novelty’**, provided the manuscript is scientifically robust and technically sound.

To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

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Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

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**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Journal of Advances in Medicine and Medical Research, 37(3): 209-228, 2025.**

**DOI: 10.9734/jammr/2025/v37i35758**

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript identifies bioactive compounds in Dennettia tripetala with anti-inflammatory and analgesic potential. It supports traditional medicinal uses with scientific evidence. The findings contribute to natural drug discovery and further pharmacological research in future. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Suggesting more clear and concise topic like this "Isolation, Characterization, and Bioactivity of docosanoic acid, quercetin, and vitexin from Dennettia tripetala root and stem bark". |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | The abstract is clear but should be shorter by removing extra method details, adding key results, and making the conclusion stronger. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | Yes, It is scientifically correct, as it is focusing on the isolation of docosanoic acid, quercetin, and vitexin from Dennettia tripetala. It also effectively demonstrates their in-vivo anti-inflammatory and analgesic activities through well-established experimental methods. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | References are not sufficient. (For example, docosanoic acid, quercetin, and vitexin compounds have been identified but it didn’t give any litreture references regarding to this in both NMR and FTIR. Some of the references are very old (Ex: 1987, 1983, 1992 and 1996). Suggesting to replace them with recent studies. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language of the article is mostly suitable for scholarly communication but may need some improvements for clarity and grammar. Some sentences are not much clear.Ex: "inflammations and pains" should be singular: "inflammation and pain." |  |
| Optional/General comments | 1. The manuscript inconsistently refers to "*Dennettia tripetala*" as "*D. tripetala*" and "*Dennettia tripetala Baker f*." Choose one style and use it consistently.
2. There is inconsistency in the use of the term “nonacosyl ester” (sometimes hyphenated, sometimes not). It should be standardized.
3. The manuscript states that plant material was extracted in 70% methanol, but it does not specify the duration of extraction, temperature conditions and the method used (Eg: Maceration, Soxhlet etc).
4. In Table 1, "% Yield" should clarify whether it is based on the total crude extract or the original plant weight.
5. Axes labels (ppm for NMR, cm⁻¹ for FTIR) should be more legible.
6. Peak assignments should be clearly marked to improve readability in NMR specta.
7. Suggesting to compare the current results to previous studies on *Dennettia tripetala* under the Discussion.
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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?**  | *(If yes, Kindly please write down the ethical issues here in detail)*Based on the information provided, No. |  |
| **Are there competing interest issues in this manuscript?** | There is no information provided regarding competing interests in the manuscript. |  |
| **If plagiarism is suspected, please provide related proofs or web links.** | None |  |

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| **PART 3: Declaration of Competing Interest of the Reviewer:** |
| I declare that I have no competing interest as a reviewer. |

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| **PART 4: Objective Evaluation:** |
| Guideline | MARKS of this manuscript |
| Give OVERALL MARKS you want to give to this manuscript ( Highest: 10 Lowest: 0 )**Guideline:** Accept As It Is: (>9-10)Minor Revision: (>8-9)Major Revision: (>7-8)Serious Major revision: (>5-7)Rejected (with repairable deficiencies and may be reconsidered): (>3-5)Strongly rejected (with irreparable deficiencies.): (>0-3) | **8** |

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| **Editorial Comments (This section is reserved for the comments from book editorial office and editors):** |
|  | Author’s Feedback |
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**This section is mandatory to prepare the Reviewer Certificate.**

**Please complete this section carefully. Reviewer Certificate will be generated by using this information only.**

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| Name of the Reviewer | Darshani H. D. DewageDona |
| Department of Reviewer | Department of Chemistry |
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| Country of Reviewer | USA |
| Position: (Professor/lecturer, etc.) of Reviewer | PhD Researcher |
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