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| Journal Name: | [**Journal of Complementary and Alternative Medical Research**](https://journaljocamr.com/index.php/JOCAMR) |
| Manuscript Number: | **Ms\_JOCAMR\_140187** |
| Title of the Manuscript: | **ANTIPYRETIC ACTIVITY OF ETHANOL LEAF EXTRACT OF Solanum anomalum Thonn. ex Schumach IN RATS** |
| Type of the Article | **Original Research Article** |

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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** (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.** | The use of medicinal plants is a practice prevalent across all continents, particularly in Africa, as highlighted in the manuscript's introduction. This empirical utilization often faces challenges regarding dosing and efficacy. This manuscript rigorously evaluates the attributed antipyretic effects of *Solanum anomalum*.  The study investigates the efficacy of the ethanolic leaf extract of this plant on various pyrexia models in rats (induced by amphetamine, dinitrophenol, and yeast). This research contributes to the valorization of local medicinal plants and could pave the way for future pharmaceutical developments based on natural remedies.  This study holds significant importance as an approach to validate and/or challenge empirical practices in phytotherapy. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes it is suitable but it can be ameliorated** | Done |
| 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. | **Yes it is** |  |
| Is the manuscript scientifically, correct? Please write here. | Yes, this study is scientifically sound, building upon the established ethnomedicinal use of *S. anomalum* for fever treatment, which provides a strong foundation for the research.  The clearly defined objectives were evaluated using a robust methodology, including the use of multiple pyrexia models (amphetamine, dinitrophenol, yeast). This significantly strengthens the validity of the results regarding the extract's antipyretic activity.  The results demonstrate a dose-dependent effect of the extract. The choice of ethanol as an extraction solvent is logical, as it effectively extracts a wide range of major phytochemical groups. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes |  |
| Is the language/English quality of the article suitable for scholarly communications? | Acceptable |  |
| Optional/General comments | While succinct, this manuscript could be enhanced by detailing the phytochemical profile and establishing a link between this phytochemical profile and the observed effects.  The presentation of the results also needs improvement to facilitate comprehension.  It would be beneficial to provide details on the extraction yield, which would offer insight into the quantity of plant material required to achieve effects similar to those of the reference drug. The discussion section is very limited and leaves the reader wanting more. This discussion could be improved and expanded by also addressing the limited information on the plant's toxicity, which would provide greater reassurance regarding its use. | Through GC- MS, HPLC, NMR and bioactivity- guided studies, the phytochemical  Profiling can be achieved with a better outlook on the phytoconstituents and bioactivity  More studies are on-going on bio-activity guided studies which will make information on the extractive yield more evident. This study was only on the crude extract which is preliminary. |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with 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 details)* |  |