

Review Form 3

Journal Name:	Journal of Complementary and Alternative Medical Research
Manuscript Number:	Ms_JOCAMR_131247
Title of the Manuscript:	Synergistic Hypoglycemic Effects of Kalanchoe pinnata and Metformin in Oxidative Stress Management in Diabetes
Type of the Article	

General guidelines for the Peer Review process:

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

This journal'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:

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PART 1: Comments

	<b>Reviewer's comment</b> Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>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.</b>	The manuscript assumes importance as <i>K. pinnata</i> is an important botanical in Ayurvedic medicine. The botanical has important bioactive compounds to be exploited. Though the findings are not encouraging at given dose and time interval, nevertheless the study clearly indicates the promising activity of extract against DM and OS.	Thanks for the comments
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	Yes the title is apt correct it as effect instead effects 'Synergistic Hypoglycemic <u>Effect</u> of <i>Kalanchoe pinnata</i> and Metformin in Oxidative Stress Management in Diabetes'	Thanks for the comments
<b>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.</b>	Yes the abstract is suitably presented	Thanks for the comments
<b>Is the manuscript scientifically, correct? Please write here.</b>	Yes, the ms is of scientific importance as it describes important botanical of medicinal value. Ms is on the scientific lines. Results encourage further study on scaling up of dose escalation.	Ok
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	<b>Please try to include following references to strengthen the ms</b> Metformin has been proved against OS and can alleviate OS and restore antioxidant capacity. <ul style="list-style-type: none"><li>Mirmiranpour H., Mousavizadeh M., Noshad S., Ghavami M., Ebadi M., Ghasemiesfe M., et al. (2013). Comparative effects of pioglitazone and metformin on oxidative stress markers in newly diagnosed type 2 diabetes patients: a randomized clinical trial. J. Diabetes Complicat. 27, 501–507. 10.1016/J.JDIACOMP.2013.05.006</li><li>Esteghamati A., Eskandari D., Mirmiranpour H., Noshad S., Mousavizadeh M., Hedayati M., et al. (2013). Effects of metformin on markers of oxidative stress and antioxidant reserve in patients with newly diagnosed type 2 diabetes: a randomized clinical trial. Clin. Nutr. 32, 179–185. 10.1016/J.CLNU.2012.08.006</li></ul>	Noted and revised

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	<p>Similarly phyto-compounds of <i>K.pinnata</i> were also, studied by</p> <ul style="list-style-type: none"><li>• Rekha Y. Halayal, Zabin K. Bagewadi, Nayef Abdulaziz Aldabaan, Ibrahim Ahmed Shaikh, Aejaz Abdullatif Khan. Exploring the therapeutic mechanism of potential phyto-compounds from Kalanchoe pinnata in the treatment of diabetes mellitus by integrating network pharmacology, molecular docking and simulation approach,Saudi Pharmaceutical Journal,Volume 32, Issue 5,2024,</li><li>• E.R.D. DeAraújo, G.C.B. Guerra, D.F.D.S. Araújo, A.A. De Araújo, J.M. Fernandes, R.F. de Araújo Júnior, S.M. Zucolotto. Gastroprotective and antioxidant activity of Kalanchoe brasiliensis and Kalanchoe pinnata leaf juices against indomethacin an2hanol-induced gastric lesions in rats.Int. J. Mol. Sci., 19 (5) (2018), p. 1265.<a href="https://www.mdpi.com/1422-0067/19/5/1265">https://www.mdpi.com/1422-0067/19/5/1265</a></li></ul>	
<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Ps spell check for typing errors</p> <ul style="list-style-type: none"><li>• change - as Kept (keep) in refrigerator for further analysis or use (Preparation of Aqueous Extract).</li><li>• Correct the statement-----allowed to steep for 24 hours to facilitate the extraction of <u>flavors</u>, <u>nutrients</u>, and active ingredients ?</li><li>• Correct the statement----- Phytochemical concentration of <i>K. pinnata</i> and the effect of <i>K. pinnata</i> and metformin <b>on metformin</b> on blood glucose levels and oxidative stress markers (repeated words)</li></ul>	
<p>Optional/General comments</p>		

PART 2:

	<p>Reviewer’s comment</p>	<p>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)</p>
<p>Are there ethical issues in this manuscript?</p>	<p><u>(If yes, Kindly please write down the ethical issues here in details)</u></p>	