

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Advanced Research and Reports</b>
Manuscript Number:	<b>Ms_AJARR_107995</b>
Title of the Manuscript:	<b>An Evaluation of Potential Therapeutic Activity of Nelumbo nucifera as Anti Inflammatory and Analgesic Agent in Rat Model</b>
Type of the Article	<b>Original Research Article</b>

**Review Form 1.7**

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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><b>Compulsory</b> REVISION comments</p> <p><b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p><b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p><b>3. Is the abstract of the article comprehensive?</b></p> <p><b>4. Are subsections and structure of the manuscript appropriate?</b></p> <p><b>5. Do you think the manuscript is scientifically correct?</b></p> <p><b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>Yes. The manuscript focusses on the evaluation of effects of Nelumbo nucifera as anti-inflammatory and analgesic agent using rat model. As previous fewer studies have been published with this objective, this manuscript adds to the information.</p> <p>Yes</p> <p>Yes</p> <p>Yes. Abstract – Please write a <b>structured abstract</b> as mentioned in author guidelines.</p> <p><b>Keywords-</b> Please check and correct the spellings.</p> <p>Introduction is well explained. Please mention <b>rationale for the study</b> in one two lines before aim of the study.</p> <p>As per line in abstract - Nelumbo nucifera substances demonstrated the maximum binding affinity whereas control medicines displayed a lower binding affinity according to in silico analysis. Please explain more on in silico analysis or any simulation method carried out in study. As per material and methods, the study appears to be in vivo. If the study does not use any in silico method or simulation method, suggest to remove the word 'in silico' from the above line in abstract and from study goal and can mention <b>study aim</b> as - <b>This study aims to perform an in vivo experiment for evaluating the anti-inflammatory and analgesic effects of Nelumbo nucifera on Wister rats using carrageenan-induced paw edema and tail freak test and acetic acid writhing test respectively.</b></p> <p>Please remove the following lines from introduction- A carrageenan-induced paw edema will be used in an in vivo investigation, however, to gauge how well N. nucifera works to reduce inflammation. To measure the analgesic activity, the team will additionally perform the tail freak test and acetic acid writhing test. Overall, the team's research will undoubtedly help other researchers take the appropriate actions to modify the behavior of the N. nucifera.</p> <p>Material and methods, statistical analysis, results are all adequate, precise and well explained. Please explain Vt and mention the full form of Vt.</p> <p>Please mention if <b>animal ethics committee approval</b> was taken before start of study.</p> <p>Please add a small paragraph on <b>discussion</b> and compare it with previous studies. Provide citations given in support of the findings in the reference part.</p> <p>Please mention the <b>conclusion</b> of study in few lines.</p> <p>Yes. The manuscript is scientifically correct.</p> <p>Few <b>recent references</b> can be added in discussion part</p> <ol style="list-style-type: none"> <li>Fitri K, Khairani TN,Sianturi KT, Leny, Hafiz I, Anti-inflammatory Activity of Ethanol Extract of Lotus (Nelumbo nuciferaG.) Seed Against White Male Rats Using Paw Edema Method,Journalof DrugDelivery and Therapeutics. 2021; 11(4):1-4</li> </ol>	

**Review Form 1.7**

	2. Li C, He Y, Yang Y, Gou Y, Li S, Wang R, Zeng S, Zhao X. Antioxidant and inflammatory effects of Nelumbo nucifera Gaertn. leaves. Oxidative Medicine and Cellular Longevity. 2021 Dec 28;2021.	
<p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Language is good. Minor editing changes will be required in the following</p> <ol style="list-style-type: none"> <li><b>Word spacing</b> – double spacing is used in between few words. Please check spacing between words.</li> <li><b>Lower case</b> in few places for example - However, <b>The</b> usage of medicinal plants is rising in prevalence as they are thought to be beneficial, natural, and free of side effects. In the above sentence, 't' should be in lower case.</li> </ol> <p>To conclude, <b>Commercially</b> available medications and N. nucifera ingredients, such as its polyphenols and flavonoids, exhibit comparable pharmacological actions against inflammation. In the above sentence, 'c' should be in lower case.</p> <ol style="list-style-type: none"> <li>Please check the font style and size and maintain the <b>same font size and style</b> throughout the manuscript.</li> </ol> <p>For example – If TIMES NEW FONT style and font size 12 is used, maintain the same throughout the manuscript.</p>	<p><b>Comment [DP1]:</b> T should be in small case.</p> <p><b>Comment [DP2]:</b> C of commercially should be in small case</p>
<p><b>Optional/General</b> comments</p>	<p>Overall, the manuscript is well written with good language. Please check the <b>grammar</b> of article in introduction.</p> <p>For example, Furthermore, Nelumbo nucifera <b>have has</b> been reported to have a variety of pharmacological effects by researchers.</p> <p>Please follow the <b>referencing style</b> as given in author guidelines. For example, For Published paper:</p> <ol style="list-style-type: none"> <li>Hilly M, Adams ML, Nelson SC. A study of digit fusion in the mouse embryo. Clin Exp Allergy. 2002;32(4):489-98.</li> </ol>	

**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)	

**Reviewer Details:**

Name:	Vidisha Parulekar
Department, University & Country	India