

**Review Form 1.6**

Journal Name:	<a href="#">Journal of Advances in Biology &amp; Biotechnology</a>
Manuscript Number:	Ms_JABB_88395
Title of the Manuscript:	ANTI-ULCER AND BLOOD-BOOSTING EFFECT OF DIET SUPPLEMENTED WITH DAEDALEA QUERCINA FROM OGBOMOSO, OYO STATE, SOUTH WEST OF NIGERIA ON INDOMETHACIN INDUCED GASTRIC ULCER IN RATS.
Type of the Article	Original Research Article

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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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://journaljabb.com/index.php/JABB/editorial-policy> )

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### PART 1: Review Comments

	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)
<b>Compulsory</b> REVISION comments	<p>Thirty-five male wistar rats (100-110g; n=7) were divided into five groups; 1- (non-ulcerated normal feed (CN)) 2- (ulcerated untreated feed (CU)), 3- (20 mg/kg cimetidine (Cm)), 4- (20% <i>Daedalea quercina</i> (Dq)) and 5- (40% <i>Daedalea quercina</i>) respectively for days 7 and 14 treatments were given treatments with indomethacin (40mg/kg/p.o). Individuals were sacrificed once they completed 4 h after ulceration. The stomach of everyone was separated and malondialdehyde, sulfhydryl, nitrile, mucin and H+K+-ATPase Activity were quantified, as well as a histology of the stomach tissue. From the histology performed, no significant tissue damage was observed. Likewise, it is shown that the groups treated with <i>Daedalea quercina</i> had an effective anti-ulcer effect, through synergistic actions of mucin, nitrite, H+K+-ATPase activity and pathways. antioxidants. On the other hand, they observed that the activities of nitrite, sulfhydryl and hydrogen peroxide contribute to the increase in blood in the observed tissues.</p>	
<b>Minor</b> REVISION comments	<p>Introduction</p> <ol style="list-style-type: none"><li>1. It is suggested to mention and detail the analyses for the determination of ulcers and their severities.</li><li>2. What are the specific compounds of the <i>Daedalea</i> fungus that they contain and that have the possibility of having anti-inflammatory activities and/or anti-ulcer effect? The data can be given of the fungus in other countries, it is suggested to do a search.</li></ol> <p>Materials and methods</p> <ol style="list-style-type: none"><li>1. It is recommended to include in the tests the repetitions carried out.</li><li>2. If there were any controls in the trials, mention the conditions.</li><li>3 In the design of experiments, mention what type of design was applied if, it is multifactorial, or what it is.</li><li>4. In general, each method carried out is referenced and mentions the main characteristics to carry it out.</li></ol> <p>Results and discussions</p> <ol style="list-style-type: none"><li>1. From table 4 it is mentioned that the polysaccharides of the fungus may be responsible, it only remains to specify precisely which are these polysaccharides that are found in <i>Daedalea</i>.</li><li>2. Figure 3. Mentioning that only with this test the prevention of the formation of free radicals is presumptuous, because in biological systems more than one test with different radicals is carried out to make such an assertion. It would be just leaving the expression based on the tests done.</li><li>3. In the results that mention a significant difference, it is recommended to say the more or the less</li><li>4. Both mucin and nitric oxide show a protective effect, it is recommended to expand the explanation of how this effect occurs since it is mentioned in a general way and the reactions that occur that allow the integrity of the intestinal mucosal membrane are not explained.</li><li>5. In figure 7 it could be mentioned which flavonoids are present in <i>Daedalea</i>, they may be responsible for the antioxidant properties</li><li>6. In table 6 it is mentioned that there is a concentration in the immunoregulatory properties of higher fungi, it is suggested to detail these properties so that the concept is clearer.</li></ol>	
<b>Optional/General</b> comments	<p>All activities evaluated in the work should be mentioned in the summary and conclusions as a reference of what was done, since all of them together demonstrate the anti-ulcer effect.</p>	

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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)	

Reviewer Details:

Name:	Maria Belem Arce Vazquez
Department, University & Country	Tecnológico de Estudios Superiores de Ecatepec, México