



**SDI Review Form 1.6**

Journal Name:	<a href="#">International Journal of Biochemistry Research &amp; Review</a>
Manuscript Number:	Ms_IJBCRR_34901
Title of the Manuscript:	Proximate and phytochemical profile of Melanthera biflora
Type of the Article	Original Research Article

**General guideline for Peer Review process:**

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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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><u>Introduction</u> The background and aim of the study should be reported in the introduction. It is not clear why authors studied <i>Melanthera biflora</i> and what they intended to do.</p> <p><u>Materials and methods</u> Procedures for phytochemicals extraction should be described. The extraction process deeply affect the analytical results.</p> <p><u>Results</u></p> <ul style="list-style-type: none"> <li>– Table 2.7. Malvidin belongs to anthocyanin group. It is not a carotenoid. Please, remove from the table;</li> <li>– Tab 2.10. Please, replace “phenolic acids” with “benzoic acid derivatives”. Table 2.9 reports phenolic acids, as well;</li> <li>– Tab 2.11: why are terpenes reported only as % composition?</li> <li>– Tab 2.11: why did you report 2-methyl butanoic acid and 2-methyl butanoic acid ethyl twice? What are the correct values between the two of them?</li> <li>– Line 126-128: why did you compare <i>Melanthera biflora</i> with <i>Talinum triangulare</i>, <i>Telferia occidentalis</i> and <i>Pennisetum purpureum</i>? what are the importance and uses of those plants?</li> <li>– Line 139-140: did you perform essential</li> </ul>	Ok



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	<p><i>aminoacid analysis? Otherwise you cannot state "The leaf protein is rich in essential amino acids".</i></p> <ul style="list-style-type: none"> <li>– <i>Lines 141-143: did you have any idea about consumption of Melanthera biflora in Nigeria? Do you think that people consume 100 g of Melanthera biflora?</i></li> <li>– <i>Line 180-182: the analgesic effect of morphine is well known. Why did you stress the occurrence of this compound in Methaflora? Is the content higher or lower than in other plants?</i></li> <li>– <i>Please, check the names of all compounds reported in the tables. Typing errors.</i></li> </ul> <p><u>Conclusion</u> <i>They are not consistent with the study. Further studies are need to test the possible use of Melanthera biflora to "alleviate some certain kind of diseases and infections such as cancer, cardiovascular diseases, type 2 diabetics, cough, hypertension, piles, asthma, malaria etc.". Please, reformulate this section.</i></p>	
<b><u>Minor</u></b> REVISION comments	<ul style="list-style-type: none"> <li>– <i>Line 45: please, remove full mark before reference;</i></li> <li>– <i>Line 46: please, check the sentence;</i></li> <li>– <i>Tab 2.12: please, leave one decimal place in percent composition values;</i></li> <li>– <i>Lines 179: please, add full mark after reference;</i></li> <li>– <i>Line 181: please replace "n" with "an";</i></li> <li>– <i>Line 184: please, remove full mark;</i></li> <li>– <i>Line 185: please, remove full mark;</i></li> <li>– <i>Line 191: typing error. Please, correct.</i></li> </ul>	Ok



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<b><u>Optional/General</u></b> comments	<i>A comprehensive characterization of Melanthera biflora was performed, however the manuscript need to improve. The background and the aim of the study should be stressed in the introduction. Analytical method should be described and the discussion section improved. Conclusions should be reformulated.</i>	Ok
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