



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">Journal of Pharmaceutical Research International</a>   |
| Manuscript Number:       | <b>Ms_JPRI_27493</b>   |
| Title of the Manuscript: | <b>ANTIDIABETIC, ANALGESIC, ANTIOXIDANT AND ANTIMICROBIAL ACTIVITY OF METHANOLIC EXTRACTS OF FRUITS AND SHOOTS OF BRASSICA OLERACEA VAR. ITALICA Linn.</b> |
| Type of the Article      | <b>Original Research Article</b>   |

**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**

|   | <b>Reviewer's comment</b>  | <b>Author's comment</b> <i>(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)</i> |
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| <b><u>Compulsory</u></b><br>REVISION comments | <p>A lot of work needs to be done before it reaches the level of a publishable manuscript in a reputable Journal such as BJPR</p> <p>Requires major revision.</p> <p>Results are original</p> <p><b>ABSTRACT</b></p> <p>Line 8: at the last part of the sentence "...The..." should be changed to "...the..."</p> <p>Line 9: the sentence "...Spain and employed in opposing cancer..." should read "...Spain and also employed in opposing cancer..."</p> <p>Line 18: Full-stop at the end of the sentence.</p> <p>Line 20: Spelling mistake (antioxidant): ".....antibacterial and antioxidant activity....", should read ".....antibacterial and antioxidant activity...."</p> <p>Line 23-25: the abstract's conclusion has different font type from the rest of the work</p> <p>Trial registration: Wrong placement. I suggest, it should move from the abstract to the methodology section, under experimental animals.</p> |   |



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|  | <p><b>METHODOLOGY</b></p> <p>Line 67: "...identified by the experts...." Which expert? Is it a botanist? Clarify.</p> <p>Line 129: Sentence should be reframed</p> <p>Line 155: Provide horizontal lines for the sub-headings of the table.</p> <p>Line 157: The title "Figure 1", should come below the graph as legend</p> <p>Line 97: Sex of mice and the sampling method employed in selecting the animals should be stated.</p> <p>Line 101: Temperature should read "...25± 2°C..." not "...25± 2oC..."</p> <p>Line 115-116: Reframe</p> <p>Line 122: The subsection "Experimental induction of diabetes" should have each beginning word capitalized (Experimental Induction of Diabetes), for consistency.</p> <p><b>NB: This should apply to the other subheadings below</b></p> <p>Line 137: "mins" not "munities" NB: Keep the consistency, you started by using the abbreviated form of minutes (mins). I suggest you keep to it.</p> <p><b>NB: There was no statistical analysis subheading in the materials and method section.</b></p> <p><b>RESULTS</b></p> <p>I realize there was no inferential statistics, comparing the treated and the negative control group with a specific alpha level (eg., <math>p&lt;0.05</math>). That would have been very interesting, showing level of significance.</p> <p>Provide units for the data in tables 3 &amp;4</p> |  |
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|  | <p>Line 115: Table 2 should have horizontal lines for its subheadings. Rectify!!!</p> <p>Line 138: Results should be separated from discussion</p> <p><b>NB: Every table or graph should have a sub-title explaining the obtained data within the table or graph on</b></p> <p><b>Apart from Table 1 &amp;2 and Figure 1, all the other descriptive data were not explained.</b></p> <p>Line 163: (Table 3). The diabetic control group, the normal and the standard group are all considered as control groups. Hence you need to be specific when using these terms. It is an error to say the diabetic control group is the control group. The diabetic control group=negative control; Normal control group=normal control; and the standard control group=positive control. I suggest you rectify these errors, very important.</p> <p><b>No DISCUSSION in work. NB: Description of results is not the same as discussion.</b></p> <p>Should discuss the results separately, with not less than ten (15) references backing the data obtained</p> <p><b>CONCLUSION</b></p> <p>Conclusion is too many and not concise.</p> <p>Line 200: "...Anti-diabetic..." should begin with a small letter.</p> <p>Line 203: Reframe sentence</p> <p>Please ensure the paper is free of grammatical errors as several were spotted. Attached is the pdf of your work highlighting most of these grammatical errors.</p> |  |
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| <p><b>Minor</b> REVISION<br/>comments</p> | <p><b>Please clarify the plagiarism issue:</b></p> <p>From the <b>INTRODUCTION</b> section, 70% plagiarised:</p> <p>matches from<br/><a href="http://bmccomplementalternmed.biomedcentral.com/articles/10.1186/s12906-015-0941-8">http://bmccomplementalternmed.biomedcentral.com/articles/10.1186/s12906-015-0941-8</a></p> <ul style="list-style-type: none"> <li>• ... saponins tannins essential oils flavonoids alkaloids and other chemical compounds found as secondary metabolites in plants</li> </ul> <p>3 matches from<br/><a href="http://bmccomplementalternmed.biomedcentral.com/articles/10.1186/s12906-015-0932-9">http://bmccomplementalternmed.biomedcentral.com/articles/10.1186/s12906-015-0932-9</a></p> <ul style="list-style-type: none"> <li>• It is also well ... that oxidative stress develops ... reactive oxygen-derived free radical production exceeds the antioxidant defense mechanism of the cell</li> </ul> <p>3 matches from <a href="http://link.springer.com/article/10.1186/s12906-015-0941-8/fulltext.html">http://link.springer.com/article/10.1186/s12906-015-0941-8/fulltext.html</a></p> <ul style="list-style-type: none"> <li>• ... saponins tannins essential oils flavonoids alkaloids and other chemical compounds found as secondary metabolites in plants</li> </ul> <p>3 matches from <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4650251/">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4650251/</a></p> <ul style="list-style-type: none"> <li>• ... saponins tannins essential oils flavonoids alkaloids and other chemical compounds found as secondary metabolites in plants</li> </ul> <p>3 matches from <a href="http://www.biomedcentral.com/content/download/xml/s12906-">http://www.biomedcentral.com/content/download/xml/s12906-</a></p> |  |
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|  | <p><a href="#">015-0932-9.xml</a></p> <ul style="list-style-type: none"><li>• It is also well ... that oxidative stress develops ... reactive oxygen-derived free radical production exceeds the antioxidant defense mechanism of the cell</li></ul> <p>1 matches from <a href="http://www.ncbi.nlm.nih.gov/pubmed/9538984">http://www.ncbi.nlm.nih.gov/pubmed/9538984</a></p> <ul style="list-style-type: none"><li>• ... the development and progression of diabetic</li></ul> <p>? matches from<br/><a href="http://www.researchgate.net/profile/Christoph_Wiesner2/publication/262811969_Antimicrobial_and_Anti-Inflammatory_Activities_of_Endophytic_Fungi_Talaromyces_wortmannii_Extracts_against_Acne-Inducing_Bacteria/links/54369fec0cf2643ab987516f.pdf">http://www.researchgate.net/profile/Christoph_Wiesner2/publication/262811969_Antimicrobial_and_Anti-Inflammatory_Activities_of_Endophytic_Fungi_Talaromyces_wortmannii_Extracts_against_Acne-Inducing_Bacteria/links/54369fec0cf2643ab987516f.pdf</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the most extensive search.</li></ul> <p>? matches from<br/><a href="http://www.researchgate.net/profile/Zakiullah/publication/231177773_Antimicrobial_and_anti-inflammatory_activities_of_leaf_extract_of_Valeriana_wallichii_DC/links/00b49517a143e1d0c9000000.pdf">http://www.researchgate.net/profile/Zakiullah/publication/231177773_Antimicrobial_and_anti-inflammatory_activities_of_leaf_extract_of_Valeriana_wallichii_DC/links/00b49517a143e1d0c9000000.pdf</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the most extensive search.</li></ul> <p>? matches from<br/><a href="http://www.researchgate.net/publication/284172188_Antibacterial_antifungal_and_antioxidant_activity_of_Olea_africana_against_pathogenic_yeast_and_nosocomial_pathogens">http://www.researchgate.net/publication/284172188_Antibacterial_antifungal_and_antioxidant_activity_of_Olea_africana_against_pathogenic_yeast_and_nosocomial_pathogens</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the</li></ul> |  |
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|  | <p>most extensive search.</p> <p>? matches from<br/><a href="http://www.researchgate.net/publication/5927192_Does_garlic_have_a_role_as_an_antidiabetic_agent_Mol_Nutr_Food_Res">http://www.researchgate.net/publication/5927192_Does_garlic_have_a_role_as_an_antidiabetic_agent Mol Nutr Food Res</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the most extensive search.</li></ul> <p>? matches from <a href="http://link.springer.com/content/pdf/10.1186%2Fs12906-015-0941-8.pdf">http://link.springer.com/content/pdf/10.1186%2Fs12906-015-0941-8.pdf</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the most extensive search.</li></ul> <p>? matches from <a href="http://link.springer.com/content/pdf/10.1007/978-3-642-33539-6_6.pdf">http://link.springer.com/content/pdf/10.1007/978-3-642-33539-6_6.pdf</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the most extensive search.</li></ul> <p>? matches from<br/><a href="http://www.researchgate.net/publication/51331159_Development_and_Progression_of_Diabetic_Retinopathy_in_Koreans_With_NIDDM">http://www.researchgate.net/publication/51331159_Development_and_Progression_of_Diabetic_Retinopathy_in_Koreans_With_NIDDM</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the most extensive search.</li></ul> <p>? matches from<br/><a href="http://www.researchgate.net/publication/7114626_Different_Rates_of_Metabolism_of_Two_Chloroacetanilide_Herbicides_in_Pioneer_3320_Corn">http://www.researchgate.net/publication/7114626_Different_Rates_of_Metabolism_of_Two_Chloroacetanilide_Herbicides_in_Pioneer_3320_Corn</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the</li></ul> |  |
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|  | <p>most extensive search.</p> <p>? matches from<br/><a href="http://www.sciencedaily.com/releases/2008/04/080407190606.htm">http://www.sciencedaily.com/releases/2008/04/080407190606.htm</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the most extensive search.</li></ul> <p>? matches from <a href="http://www.engg.ksu.edu/HSRC/ag/2002/proceed/j03.pdf">http://www.engg.ksu.edu/HSRC/ag/2002/proceed/j03.pdf</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the most extensive search.</li></ul> <p>? matches from <a href="http://thescipub.com/PDF/ajassp.2011.201.205.pdf">http://thescipub.com/PDF/ajassp.2011.201.205.pdf</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the most extensive search.</li></ul> <p>? matches from <a href="http://www.usda.gov/FBFComments/Files/5003163-1.pdf">http://www.usda.gov/FBFComments/Files/5003163-1.pdf</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the most extensive search.</li></ul> <p>? matches from <a href="http://science.lecture.ub.ac.id/files/2012/04/plant-biosynthesis1.pdf">http://science.lecture.ub.ac.id/files/2012/04/plant-biosynthesis1.pdf</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the most extensive search.</li></ul> <p>? matches from<br/><a href="http://shodhganga.inflibnet.ac.in/bitstream/10603/8559/6/06_chapter-1.pdf">http://shodhganga.inflibnet.ac.in/bitstream/10603/8559/6/06_chapter-1.pdf</a></p> <ul style="list-style-type: none"><li>• Document too big, faulty or unsupported type - try <a href="#">PlagScan</a> for the</li></ul> |  |
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| <b><u>Optional/General</u></b><br>comments | <p>In my own candid opinion, the work was not well edited before submission. I suggest that the editors proof-read and edit the manuscript well since I may not be able to see all the errors therein. It is understood that English might not be a native language in certain countries, but lack of efforts in ensuring language accuracy might also be reflective of lack in the quality of data presented and discussion.</p> |  |

**Reviewer Details:**

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|----------------------------------|---|
| Name:                            | <b><i>Asante Du-Bois</i></b>  |
| Department, University & Country | <b><i>Department of Biomedical and Forensic Sciences, University of Cape Coast, Ghana</i></b> |