

Review Form 1.7

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| Journal Name: | Journal of Advances in Medical and Pharmaceutical Sciences |
| Manuscript Number: | Ms_JAMPS_116868 |
| Title of the Manuscript: | Anti-oxidant and wound healing potentials of Gnetum africanum Welw and Ficus vogelii Miq extracts |
| Type of the Article | |

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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) |
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| <p><u>Compulsory</u> REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <p>=The methanol extracts of both plants showed the presence tannins, alkaloids, flavonoids, saponins, and steroids in varying amounts. =The antioxidant assays revealed that the extracts of both plants had good anti-oxidant properties. =Extracts of <i>Gnetum africanum</i> at 3.5% w/w and <i>Ficus vogelii</i> 5% w/w exhibited potent healing activity, eliciting 100% wound closure by day 7. =The study revealed that <i>Gnetum africanum</i> and <i>Ficus vogelii</i> have wound healing properties which scientifically justifies its use for treatment of wounds traditionally and could be developed into useful drugs for wound treatment and management =This study showed that the leaves <i>Gnetum africanum</i> and <i>Ficus vogelii</i> contain bioactive compounds that have excellent wound healing potentials. The wound healing potential of the extracts is comparable to that of gentamicin ointment and the plants are thus a potential source for potent antimicrobials. The extracts contained secondary metabolites like alkaloids, flavonoids, tannins, terpenoids, steroids, and anthraquinones. These metabolites have been reported to have pharmacological uses and could be responsible for the antibacterial, wound healing and antioxidant properties exhibited by the plant extracts in this study</p> <p>The title of the article is suitable</p> <p>The abstract of the article is comprehensive</p> <p>Subsections and structure of the manuscript are appropriate</p> <p>The manuscript is scientifically correct</p> <p>The references are sufficient and recent</p> | |
| <p><u>Minor</u> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <p>English quality of the article is suitable for scholarly communications</p> | |
| <p><u>Optional/General</u> comments</p> | <p>=<i>Gnetum africanum</i> and <i>Ficus vogelii</i> are vegetables consumed in some parts of Africa. =They are used in ethno medicine for treatment of different diseases, and are particularly known to hasten wound healing. = We investigated the wound healing properties in a rat model. =The powdered leaves of the two plants were successively extracted with hexane, ethyl acetate and methanol using a Soxhlet apparatus. The crude methanol extract was screened for secondary metabolites and anti-oxidant properties. The wound healing activity was evaluated using excision wound model. Thirty healthy female Wistar albino rats (150-200 kg) were used for the experiment and randomized into 5% extract + ointment, 3.5% extract + ointment, simple ointment, and gentamicin treatment groups.</p> | |

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| | The ointments were administered topically daily, and wound contraction was measured every alternate day. The percentage wound closure rate and histopathology of healed wound area were determined. | |
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PART 2:

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| | 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:

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