



SDI Review Form 1.6

Journal Name:	Journal of Advances in Medical and Pharmaceutical Sciences
Manuscript Number:	Ms_JAMPS_25815
Title of the Manuscript:	ANTIBACTERIAL AND TOXICOLOGICAL EVALUATION OF LEAF EXTRACTS OF GUIERA SENEGALENSIS AGAINST GRAM NEGATIVE BACTERIA.
Type of the 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)
Compulsory REVISION comments	- Grammar and punctuations MUST be carefully checked. - Citation of tables/Figures in the text MUST be consistent with the actual tables/figures - References MUST be tidied up and be consistent	
Minor REVISION comments	-Provide references for the extraction method used -Provide explanation to the estimation of phenols (negative value , refer to the list of corrections and suggestions) Reviewers Comments (remove all text highlighted in red and include suggestions in green & you may decide to accept) Abstract Line 3 Remove 's' from the abstracts Line 4 Guira senegalensis should be in italics (apply all through the article). Line 9: susceptibility testing Line 11: of some selected Gram negative (list them here) and Gram positive (list them here) bacteria with zones of inhibition ranging between 14 cm to Line 12: drug(tetracycline) There should be a space between drug and (tetracycline). Line 15: crude was evaluated based on haematological, ... Line 16: that prolonged used the extract could lead to Line 17: damage.The morphological(space after the full stop) Line 21: a) <i>G.senegalensis</i> (space after the full stop) b) toxicity may occur (reduce the space between 'may' and 'occur') Line 23: Keywords: <i>G.senegalensis</i> (space after the full stop), Phytochemical (upper case) Line28: bacterial (remove letter 'l') Line 30: Health(Smolinski <i>et al.</i>, 2003.....) (space after the 'health' & between <i>et al.</i>, and 2003 = 2003 should not be in italic. Again, reduce the space between the 2003) and Unfortunately, ... Line 40: to search for alternative Line 46: (Rates, 2001), ... Line 47: replace the full stop and comma with ; after Valerio, 2006., Prakash) ie Valerio, 2006; Prakash ...	



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	Line 48: Prakash <i>et al.</i>, 2003 space between , and 2013 Line 52: medicinal plant. Different (space after the full stop) Line 54: diseases. (full stop after the diseases) Line 69: <i>Guira senegalensis</i> was collected (indicate the place and year of collection b] provide voucher specimen number for the species identification) Line 73: Screening ~~which involves performing simple chemical tests to detect~~ for the presence of secondary metabolites such as Line 79: Singleton <i>et al.</i>, (1999) Line 81: was taken at (space after 'taken' & 'at') Line 82: using spectrophotometer (indicate instrument model & manufacturer) Line 85: ~~between~~ with <i>n</i>-hexane Line 87: evaporated to dryness at room temperature (using which technique eg rotary evaporator etc specify) Line 90: Maintain upper or lower cases for the subtitles (please be consistent and apply where necessary) Line 91: into sterile petri dish (lower case) Line 95 – 99: a) the description of the method used was not clear and therefore confusing b) provide references that support the authenticity of the method used. Line 102: triplicate results Line 103: inhibitions ~~were~~ considered Line 107: spaces after every comma before the number 200, 400, ... Line 109: water while signs of acute toxicity was observed within 72 h period. Line 113: (800 mg/kgbw) (check and apply throughout the text) Line 114: weeks and (space between 'week' & 'and') Line 115: observations ~~were~~ made Line 117: In addition, measurement Line 120-121: merge together Line 122: collected ~~for~~ and Line 123: analysis (liver and kidney function parameters). Line 128: (2000), for Line 129-132: volume (PVC), (space between 'volume' & '(PVC)' ---APPLY SPACE FOR THE REMAINING ABBREVIATIONS) Line 133: phosphatase, urea, Line 134: (Ochei and Line 139: for 1 h and ~~afterward~~ dehydrated Line 140: rephrase = dehydrated with methanol in increasing concentration ranging from 70, 90 and 100%) and at Line 141: ~~thereafter~~ Then, clearing	
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	Line 142: done for 2 h to remove Line 143: wax at 60 °C (space between 60 & °C) Line 145: and various percentages (give the range) of alcohol Line 147: ~~Thereafter~~, Staining was Line 148: 3 min. Dehydration (space after full stop) Line 149: alcohol and the alcohol was later cleared with xylene. Line 154-155: the plants <i>G. senegalensis</i> Line 158: a) 0.51 mm). (remove space after the close of bracket). b) the standard drug (Chloramphenical) used to Line 159: with varying and yet higher diameters of zone of inhibitions Line 161: results in Table 3..... Line 162: polarity and the solubility of the material in the different solvents used. Line 163: followed <i>n</i>-hexane Line 165: a) Table 4 ~~below~~ showed the results of the b) of phytochemicals. Phenols where phenol was Line 166: in high-~~in~~ concentration in the (123.3+0.034 and 87.3+0.50 respectively), while.... Line 167: 0.034 (remove point) Line 168:(Table 3) Line 169: Chloroform, ... Line 170: ...<i>G. senegalensis</i>.The (space after full stop) Page 8: Table 1 Phytochemical(what you mean by having an estimation of a phytoconstituents recording values in negative (ie -14.40). How is this possible? In this context, estimation could either be greater than one or zero. Please explain. GENERALLY TABLE NUMBERING (IN SOME INSTANCES) DO NOT TALLY WITH THE CITATION IN THE TEXT...PLEASE CHECK THROUGH!!! Page 12: Line 1: a) Toxicity study. (remove full stop) Line 3: treated with varied concentrations (100, 200, 400, ... 800 mg/Kgbw) of the crude extract of <i>G. senegalensis</i> did not show Line 4: during 72 h of the Line 5 - 7: a) and 1200mg/Kgbw (space after '1200' & 'mg') [check and apply all through the text]. b) Rephrase the whole sentence line 5-7: Abrupt cessation of physical activity, depressed respiratory and cardiac activity as well as mortality were observed at dose concentrations of 1000 and 1200 mg/Kgbw. Line 9: Haematological study:Table (space after the :) Line 10: in the values of the haemoglobin	
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	Line 10-12: haemoglobin(Hb), ... (space after haemoglobin & (Hb)) ..[apply this all through] Line 14:-: , eosinophils, Line 15: significantly reduced at Line 17: in Table 6 Line 18: check spaces as mentioned above Line 21:(Table 6 below) Line 22: triglycerides decreased in the Line 23: check wrong spaces and(Table 6below) Page 13 Line 1-2: You may rephrase the sentence as 'The results in Table 6 did not show much difference after treatment Line 4: indices were not affected (Table 7 below) Line 7: parameters(Tables 6 & 7 plates I-VI) Page 14 Line 18: error of Page 16 Line 14: Key: Na⁺ - sodium ion, (apply to the rest ions) Line 15: Error Page 17 Line 5: 800 mg/Kgbw crude extract (check and do same throughout he text) Page 19 Line 3: <i>G. senegalensis</i>(space) Page 21 Line 3: Fractionation and monitoring Line 4: compound(Stefano <i>et al.</i>, 2014). [Check space] Lines 5-8: there are lot of contradictions/confusion with the results shown in Tables 1 & 2. Example: Table Phytochemical screening constituents of leaf extract from <i>G. senegalensis</i> Report + and – means the presence or absence of a constituent respectively. Thus, it is a qualitative test BUT in line 7 (Pg. 21) you reported the other constituent in trace amount include steroids (+), glycosides did not appear on the table); terpenoids (-) absent. How do you translate/interpret these result as being in trace amount. Table 2: Glycosides, steroids and terpenoids (Table 1 or Table 2) were not found on the Table. This section MUST be tidied up. Line 6: phytochemicals in high amount; alkaloids, ... Line 9: [Check spaces] Line 12: extracts from the leaves of <i>Guiera senegalensis</i> with 100% inhibition at what concentrations? Line 14-15: check and correct spaces	
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Page 22 Line 5: The standard antibiotic (Chloramphenicol) used Line 10: The low MIC and MBC values ~~were~~ observed Line 11-12: ~~At the same time high~~ (replace with) However, the high MIC and MBC values were indications of lack Line 15: in Table 4 the value reflected here (123.2+0.4) is not showed Line 19: see Bello <i>et al.</i>, (2003) Garba <i>et al.</i>, 2013 [be consistent] Line 20-21: check spaces between the genus and species names (Please do same all through) Line 21 a) protoplasmic posison b) to all types of cells. Line 22: Precipitation Page 23 Line 1: interfere Line 3-8: check space and botanical names MUST be in italics always Line 9: <i>G. senegalensis</i>. Thus, the selected safe dose~~s~~ was 800 mg/kgbw Line 17: a) at week~~s~~ 5 & 10) Line 19: Indices (Table 4.13) (WHERE IS THIS TABLE?) Line 20-21: check spaces Page 24 Line 1-16: check for spaces Page 25 Line 2: prolonged used~~d~~.... Line 6: were mild. This Line 7 (Table 7) Line 8: a) <i>G. senegalensis</i> b) the conclusion is made up of only one sentence which is too long; - mention a few of these ailments that the extract could be used to treat as the major finding of the research. REFERENCES (GENERALLY CHECK FOR THE FORMAT OF SHOWING THE VOLUME AND ISSUE NUMBER OF ARTICLES ie which amongst them is to be bolded) No. 1 Adeshina, ... and Odama, L. E., (2012). <i>Alchornea cordifolia</i>. No. 2 Almeida, ... J. M. (2001). No. 3 Baragob, A. E. A., (CHECK FOR APPROPRIATE SPACING AND APPLY WHERE NECESSARY) <i>Guira senegalensis</i> No. 4 Bello ... (spaces) No. 5: Cheesebrough countries. No. 6: Cowan, M. M. (1999)~~s~~. No. 7: Dubey, ... Singh, S. A., Saha, S. (2013). pharmacology and toxicology of <i>Spilanthes</i>	
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	<i>acmella</i>: a review. No 8: Dutta, ... Das, S. (2014). plants used as diuretics: a comprehensive review. [be consistent with lower or upper case for each word used in the title; secondly check for spaces] No.9: El-Mahmood, ... J. M. (2009). (refer to No. 8 about lower or upper case) No. 10: Gonzales, ... L. G. (2006). Peru: a review. (refer to No. 8 about lower or upper case) No. 11: Havagiray, ... Sadhara, K. (2004). No. 12: Hemalta, ...(check for space) No. 13: OECD, (1998). (Check space) No. 14: Ogbeba, J., Iruolaji, F. O. (2015). (Check space) No. 15: Ogbuewu, ... Okoli, I. C. (2011). No. 16: Pierre, (check space) ~~Vol~~ 3(12), ... No 17: Prakash, ... Kumar, P. (2013). (refer to No. 8 about lower or upper case) No. 18: Rates, S. M. K. (2001). <i>Toxicon</i>. 39(5), 603-613. No. 19: Sarker, D. S. (2006). <i>Natural Product Isolation</i>. Second No. 20 Shilpi, ... Saker S. D. (2012). Check title and (refer to No. 8 about lower or upper case) No. 21: Silva, ... J. (2010). ...(refer to No. 8 about lower or upper case) and name of journal should be in italics (note and apply where necessary) No. 22: Smolinski M. S., ...(2003). Check space No. 23: Stefano, ...(2014). (refer to No. 8 about lower or upper case) and (note and apply where necessary) No. 24: Trease, ... Evans, W. C. (1978). No. 25: Uchechukwu, ... (2014). Refer to general comments above on volume number and issues No. 26: Yadav, Please note that Pages 28 & 29 were misplaced. Hence, arrange them accordingly. Seriously; in many instances, Table numbering and titles in the text do not tally with the Table where the results were provided.	
<u>Optional/General comments</u>		

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