



SDI Review Form 1.6

Journal Name:	European Journal of Medicinal Plants
Manuscript Number:	Ms_EJMP_20705
Title of the Manuscript:	Evaluation of Antibacterial Potency of Ethyl acetate and Ethanolic Extracts of Murinda Lucida Leaf, Stem, and Bark on Mycobacterium Species, isolated from the chest Hospital, Obafemi Awolowo University, Ile-Ife, Osun State Nigeria.
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)
Compulsory REVISION comments	ABSTRACT Line 4-12 should be written as; The antibacterial potency of ethyl acetate and ethanol extracts of <i>Murinda lucida</i> leaf, stem, and bark were tested against mycobacterium species including <i>Mycobacterium fortuitum</i> (ATCC 6841), <i>Mycobacterium smegmatis</i> (ATCC 19420), <i>Mycobacterium abscessus</i> (ATCC 19977), and <i>Mycobacterium phlei</i> (ATCC 19240). The statement following the above should also be written as; All extracts exhibited various degree of antibacterial potency against the test organisms with the ethanol extracts of the leaf and bark being the most active. MIC or zones of inhibition for most active extracts should also be mentioned here. The aim should precede the method not at the end of the abstract. There should be a concluding remark at the end	-Done -Done -Done -Done



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	of the abstract. The word “test organism” is too general to be considered as key words. Mycobacterium species is sufficient instead of listing all organisms used. INTRODUCTION Paragraph 7-8 The information are too detailed, only necessary for a review. Moreover these are repetition of some uses/applications already mentioned in the preceding paragraphs. Author can add more references if necessary in the paragraph were the uses have been mentioned. MATERIALS AND METHODS Clinical isolates or type culture? Title suggests clinical isolate but methodology is consistent with type culture. Clarification needed? The sub-heading sources of organism can simply be written as test organism. The statement “The pure cultures of 10 typed strains organisms” is confusing. Rephrase stating clearly the number of organism used for this study.	-Done -Done -Done -Done -Done -Done
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	The word “graciously” is inappropriate here; such are better mentioned under acknowledgment.	-Done
	Mycobacterium is normally cultured in Lowenstein-Jesen medium. The authors should state why normal nutrient agar was used and how was the growth of other bacteria excluded?	-Done
	Standardization of inoculums The method provided is insufficient to estimate the number of colony forming unit (10⁶cfu/mL)	The methods at my disposal were used for the research.
	RESULT Delete first paragraph The other paragraphs (2-6) should be reconstructed. No point stating all values which are already listed in the table. Key values can be mentioned and references made to appropriate table were all values are listed.	-Done
	The ATCC number for the test organism need not be repeated all through the entire manuscript, mention in the Materials and Method under the sub-heading Test Organism is sufficient.	-Done
	N.B. Test extract/samples exhibit activity by inhibiting the growth of the test organism, the effect is measured by their inhibition zones on the	Done



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	organism. The result should be rewritten stating the effect of the extracts on the test organisms and not the reverse. All grammatical errors should be corrected. Some tables can be merged to limit repetition of same data. The plates shown are not necessary since they do not give additional information to that already presented in the table. One or two plates showing significant result may be sufficient to corroborate what is presented in the table. The unit MM should be written in lower case mm and not necessary to use it as footnote under each table. DISCUSSION The discussion is inadequate. Author should discuss the result giving reasons for the observations. State statistical significance and where appropriate, give supporting data and literature.	Done Done Table cant be merge because the solvent used for extraction are not the sane and part used are different. -Done -Done -Done No statistical analysis, they are raw data from the original research work.
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	CONCLUSION The conclusion is too elaborate. Conclusion should be precise (stating significant findings and recommendation for future studies). Conclusion should not be referenced, it is authors' own remark based on the present findings.	-Done -Done
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Minor REVISION comments	INTRODUCTION Paragraph 1, line 2 delete “to date” after antiquity, replace “certainly goes back” with dates back. The term Chinese, Ayurvedic and Egyptian as use in the last sentence of this paragraph are hanging. The author should correct by adding the appropriate noun after each of the words e.g Ayurvedic medicine or simply Ayurveda Paragraph 2, line 1 Replace the pronoun “they” with medicinal plants Paragraph 3 Cite reference for the opening statement. The term “phyto” does not need to be defined, it is well known. The plant name Morindalucida should be separated as <i>Morinda lucida</i> and italicised all through the entire manuscript. Separate references by semicolon NOT comma or parenthesis. For example the reference (Doughari and Obidah, 2008, Doughariet al., 2009) should be written as (Doughari and Obidah, 2008; Doughariet al., 200). Apply to all cited references. Period should be after the cited reference NOT before.	-Done - Done - Done - Done Done
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	Paragraph 4 Line 8; delete the word “general” replace antiinfections with antiinfective Delete “The use of <i>Morindalucida</i> has always been part of human culture and is wide spread in Africa” rephrase the entire paragraph and merge with paragraph 2. Paragraph 5 Delete the word “further” from the second sentence. Cytotoxic and genotoxic should be separated by a comma. Replace hypoglycaemia with hypoglycaemic and activity with activities and give reference. Paragraph 6 Line 1; delete “various types of alkaloids” Delete the word “section” from figures 1 and 2 MATERIALS AND METHODS Plant collection: no need mentioning latitude and longitude. Preparation of extracts Line 1: replace part with parts and leaves with leaf. Be precise and avoid use of extensive statement. For example the highlighted phrases are not necessary. “It was mixed vigorously and left for nine days in the	-Done -Done Done -Done -Done -Done -Done
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	laboratory. After the ninth day, the solution contained in the bottle was filtered using Whatman filter paper. Then the extract was separated from the solvent using rotary evaporator at different temperatures depending on the solvent used to obtain a pure extract". Recast this paragraph. A sentence should not begin with a figure. 400grams of each plant parts Can be written as Plant parts (400 g each) Delete figure 3. Standardization of extract Replace "adding" with "dissolved" and "with" with "in". The highlighted should be written as 0.01 mL "mL 0.01" dimethyl sulphoxide The phrase "picked into" should be replaced with a more appropriate term like transferred. The entire statement should be rewritten mentioning the stock concentration and concentrations of the dilutions instead of describing serial dilution which is a routine procedure of making dilutions. Antimicrobial screening agar diffusion method should be agar well diffusion method. State volume of extract contained in each well.	-Done -Done -Done -Done - This is the method described by literature. - Done -Done
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	The concentration 2 mg/mL after the standard drugs ciprofloxacin and metronidazole should be written as (2 mg/mL each) within Parenthesis. State the exact duration of incubation, instead of 24 – 48 hours.	-Done -Done
<u>Optional/General</u> comments		