



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	2014_IJBcRR_12293
Title of the Manuscript:	INFLUENCE OF METHANOLIC LEAF EXTRACTS OF <i>Vernonia amygdalina</i> ON CASTOR OIL INDUCED DIARRHEA IN RATS
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.

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(<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	TITLE Title could be revised to "EFFECT OF A METHANOLIC LEAF EXTRACTS OF <i>VERNONIA AMYGDALINA</i> (FAMILY) ON CASTOR OIL-INDUCED DIARRHEA IN ALBINO RATS ABSTRACT Format the abstract to the journals specification Line 7-8: DELETE THIS " this is because the loss of fluids through diarrhea can cause dehydration and electrolyte imbalances." In this study, the effect of <i>Vernonia amygdalina</i> in treating diarrhea induced rats was investigated. This aim should be more elaborate. Consider revision e.g. The effect of a methanolic leaf extract of <i>Vernonia amygdalina</i> on Castor oil-induced diarrhea in male albino rats and its safety for use was investigated. Line 8-9: "diarrhea induced rats" is not the same as "diarrhea induced in rats". Consider revision SUMMARIZE THIS: Twenty-five male albino rats weighing between 120-227g grouped into A, B, C, D and E, with five rats in per group were induced with diarrhea. Group A served as the negative control group, Group B served as the positive control group administered with 2 mg/kg body weight (bwt)	Title has been changed Noted Noted Noted Noted Noted



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	loperamide, Groups C, D and E induced with 1 ml castor oil and treated with 100mg/kg bwt, 200mg/kg bwt and 400mg/kg bwt of methanolic extract of respectively. The diarrheal episodes were observed for 1-7 hour and the cumulative frequency of wet and formed stools were noted on the 4th-7th hour Consider this: Five groups of rats with induced diarrhea were treated with 2 mg/kg loperamide, 100, 200, and 500 mg/kg <i>Vernonia amygdalina</i> extract, or vehicle respectively. The cumulative frequency of wet and formed stools were noted on the 4th-7th hour. ABSTRACT HAS BEEN POORLY WRITTEN. IT NEEDS TO BE REVISED Key words: It would be much more preferred if the key words are prominent words in the study but are not in the title. This widens the scope for search of this article. INTRODUCTION Consider revising the aim of the study MATERIALS AND METHODS Experimental design Avoid repetition. If you want to use a table for the description avoid writing too much in the description. Rewrite this section Redo numbering of sections and subsections. Please check sections and subsections well to see if they are in order as some of the subsections are out of order	Noted Noted Noted Noted Noted
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	e.g. "2.3.1 Experimental design" should not be a subsection of "2.3 Animals" "Induction of diarrhea" should be a subsection of "Experimental Design" Induction of diarrhea The section is not informative enough. • By which route was castor oil administered to the rat? • What was the indication that diarrhea had been induced? • Delete "Anti diarrhea activity of the extract was evaluated using the castor oil induced diarrhea model in rats" as it is not relevant in this section. Rewrite this section RESULTS Table 2 is confusing ?! Are we studying Lemon grass? Results are poorly presented No description, DISCUSSION Do not describe results as discussion. Give scientific evidence for your findings CONCLUSION Reduce the conclusion to one sentence	Noted Noted and corrected Noted and corrected noted
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<u>Minor</u> REVISION comments	MATERIALS AND METHODS	Noted and corrected
	Line 58: Delete "The" at the beginning of the sentence. Line 58: "It" should start with a capital letter Line 59: "The" should be corrected to "the" Line 59: What is H. O. D ? Line 61: "Voucher specimen number of the plant NIPRD/09/014" should be corrected to "Voucher specimen number of the plant is NIPRD/09/014" Line 64: It was then dried in room temperature (37%), for about a month. Line 65: Do not start a sentence with a figure Line: "The methanolic extracts of Vernonia amygdalina leaves were" could be corrected to "The methanolic leaf extract of <i>Vernonia amygdalina</i> was" Lines 74-103: DELETE. Lines 72 and 73 takes care of these Linee 104: "Animals" should be changed to "Experimental animals" Line 105: Which experimental animals are you taking about? Line 111-112: Where are your punctuations? Line 113: The rats of group sub group A served. What do you mean? Toxicity test This statement "Acute toxicity study was carried out according to the modified method described by Lorke (year)" should start this section. Line 127: " in both extracts". What do you mean by	



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	"both extracts"? Did you use two extracts?	
<u>Optional/General</u> comments		