



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	2013_IJBcRR_8747
Title of the Manuscript:	Ultero-protective Potentials of Methanolic Extract of <i>Acacia ataxacantha</i> leaves in Indomethacin and Stress Induced Gastric Ulcer Models
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	1. Gastric ulcer indices, pH level and gastric ulcer percentage inhibition are not biochemical parameters, so change it to gastric parameters. 2. The investigators have used 95% methanol (mixture of methanol and water) as solvent for extraction of plant material for a period of 3 days. There is a possibility of fermentation in maceration process if the extraction is not carried out in sterile conditions. Please comment on the nature of crude extract post-extraction and its consistency. 3. The institutional animal ethical clearance of experimental protocol is not mentioned. If the protocol was approved, please provide the approval number. 4. Please mention the reference for selection of dose of standard drug used in both the anti-ulcer screening models. The dose seems to be less as minimum 40 or 50 mg/kg of Ranitidine is often employed. 5. Add a brief information on how gastric juice	1. It's been noted and corrected as appropriate. 2. Extraction was carried out in sterile conditions to counter the possibility of fermentation during the maceration process. 3. The Institutional Animal Ethical Clearance Committee of the University of Ilorin has just been inaugurated. Clearance and approval for studies involving animal subjects are given at each unit by the head for now and no approval number is being issued for now also. Same approval was obtained for this study. 4. Khan H, Gupta N, Mohammed MS, Meetu A, Khan G and Mohan G. Antiulcer activity of seed extracts of <i>gynocardia odorata roxb.</i> on pylorus ligation and indomethacin induced gastric lesions in albino rats. International Journal of Development



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	was collected and pH was determined? 6. There is no mention of acute toxicity study or determination of LD₅₀ of <i>Acacia ataxacantha</i> leaves alcoholic-aqueous extract which is the basis for selection of test doses. How the test doses were fixed, please comment! 7. Provide explanation of different superscripts (a, b & c) in the legend or footnote of Table - 1 for better understanding.	Research 2013; 3(5): 049-054. 5. Brief information added. 6. Acute toxicity study was carried out for the determination of the test doses in this study, but was not included in the report. The study and results have been included for better understanding. 7. Noted and explained for better understanding.
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<u>Minor</u> REVISION comments	1. The introduction is very well written. It highlights the major adverse effects of the frequently used drugs of present time. However, improvise the structure. Break the introduction into two paragraphs. It would be better to introduce plant before mentioning its ethnomedicinal value. So it is highly recommended to move the matter presented in last three sentences (with reference 20) before the point that has reference 17. 2. The ratio of plant material and solvent should be written as 100 g / 300 ml. 3. Change description of Group – II from ulcer control to negative control. 4. The animals were sacrificed with excess of anaesthetic ether. 5. Correct <i>Helicobacter pyroli</i> to “<i>Helicobacter pylori</i>”.	1. It's been noted and corrected as appropriate. 2. It's been noted and corrected as appropriate. 3. It's been noted and corrected as appropriate. 4. It's been noted and corrected as appropriate. 5. It's been noted and corrected as appropriate.
<u>Optional/General</u> comments		