



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_24955
Title of the Manuscript:	Phytochemical analysis and in-vitro Antitrypanosomal Activity of Selected Medicinal Plants in Niger 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	Reference deficiencies: Sofowara is dated in the text in 1993 and in the reference list in 2003 Herbert and Lumsden (1976) is cited in the text but in the reference list appears as Lumsden and Herbert Chappuis et al 2010 is cited in the text but it is not found in the reference list Trease and Evans is dated in the text in 1985 and in the reference list in 1989 Oliver et al., 2010 is cited in the reference list but not in the text Sepulveda-Boza et al., 1996 is cited in the reference list but not in the text Wood 2001 is cited in the reference list but not in the text	Thank you and corrections have been effected. Sofowara, A.E. (1993). Phytochemical Screening of Nigerian Medicinal Plants Part 11. <i>Lyodia</i>, 44: 234 - 246. Chappuis F, Lima MA, Flevaud L, and Ritmeijer K (2010). Human African trypanosomiasis in areas without surveillance [letter]. <i>Emergence of Infectious Diseases</i>;16:354–356. Trease, G.E. and Evans, W.C. (1985). <i>Pharmacognosy</i> 11th edition. Brailliar Tridel and Macmillian Publishers, London, pp. 48-65
Minor REVISION comments	Please, consider introducing as last paragraph of the introduction o new one short paragraph describing the scope of the manuscript and the procedures employed (do not introduce here results). Please, introduce the year of the plant collection (line 95, page 3). Please, describe shortly the Sofowora method for phytochemical screening. Is this based in HPLC? Two decimal digits is inappropriate for describing extract yield (Table 1). Round (no decimal) digits are more realistic regarding the significance.	Therefore, this work is aimed at screening plants with antitrypanosomal activity used by the inhabitants of Niger State to treat trypanosomiasis to ascertain their activity. In vitro antitrypanosomal studies was carried out using blood from an trypanosoma brucei brucei infected mice by checking the parasite motility. Feb-March,2015



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		No by qualitative methods e.g Test for alkaloids :Few quantity of the each portion was stirred with 5 ml of 1% aqueous HCl on water bath and then filtered. Of the filtrate, 1 ml was taken individually into 2 test tubes. To the first portion, few drops of Dragendorff's reagent were added; occurrence of orange-red precipitate was taken as positive. To the second 1 ml, Mayer's reagent was added and appearance of buff-coloured precipitate will be an indication for the presence of alkaloids (Sofowora, 1993).
<u>Optional/General</u> comments	This manuscript describes the activity of 6 different methanol extract plants against the parasite T brucei, responsible of trypanosomiasis. The manuscript is well performed and the results are very preliminary but consistent. I consider that the manuscript might be notably enhanced addressing the minor points described above.	