



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	2014_IJBcRR_13433
Title of the Manuscript:	Contraceptive Effect of Ethanol Extract of <i>Dioscorea villosa</i> Tuber on Reproductive Hormones of Female Wistar 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.

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>)



SDI Review Form 1.6

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)
<u>Compulsory</u> REVISION comments	1) The results should be mentioned in percentage along with their P value. 2) Different methods of data presentation like table should be used. 3) Discussion with other plants should be written 4) You discussed by comparing with human hormonal system but there are basic differences in hormonal system between human and rodent hormonal system. 5) Compare also with other potential plants with contraceptive effect and how your plant is different.	The results were expressed as mean $\pm$ SEM alongside their P values, and not percentage. The authors would prefer data/result presentation in figure form, which was used in the present study. Discussion as well as the introduction was based on previous studies on the plant. This makes the present study unique. Although there are basic differences, but findings on hormonal system in animal models "may" be extrapolated for use in human models. This is noted and has been worked on.
<u>Minor</u> REVISION comments	1) The claim should have a reference 2) The plant collection time should be mentioned	The claim has no reference because it was obtained from traditional herbal medicine practitioners. Such claims are not usually accepted in life science until there is scientific evidence to either substantiate or refute the purported claim. The plant was collected at 8:00 am in the morning.
<u>Optional/General</u> comments	1) If you say free access to pellets and water, no need to use <i>ad libitum</i>. 2) Anti fertility and antiimplantation effect of the	The authors crave your indulgence to allow <i>ad libitum</i> to be remain because it describes the method in which animals have/gain access to feed and water. The contraceptive effect of the extract is the



SDI Review Form 1.6

	plant should be written in recommendation	same as its antifertility and anti-implantation effect. Since the present study has already addressed the contraceptive effect of the extract, we therefore <u>recommend</u> that further studies should be conducted to isolate and characterize the contraceptive bioactive agent of the ethanolic extract of <i>Dioscorea villosa</i> tuber. The possible molecular mechanism of action of its bioactive agent should be elucidated. Its contraceptive effect could also be compared with that of a reference contraceptive drug that would serve as positive control.
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