



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 <i>(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)</i>
<u>Compulsory</u> REVISION comments	Change to	
Line 5: The contraceptive effect of oral administration of ethanolic extract.	The effect of oral administration of ethanolic extract	
Line 10: Preliminary phytochemical screening of ethanolic extract of <i>Dioscorea villosa</i> tuber revealed the presence of alkaloids, saponins, flavonoids and cardiac glycosides.	Remove the sentence	
Line 22 : Consequently, the extract may impair fertility and conception in female rats.	Remove the sentence	
Line 21: -----hormones by the extract are indications of adverse effect on the maturation and ovulation of	----- Hormones by the extract indicate the adverse effect on the maturation and ovulation of follicles.	



SDI Review Form 1.6

follicles.		
Line 35: female sexual dysfunction	The problem of FSD has no association to the subject of the research, therefore I suggest to delete this part from line 35-57.	
Line 72-82: the author just enumerated the titles of articles of previous studies.	The previous studies should be presented in different way.	
Line 83: there has not been any information in the open scientific literature that has addressed the contraceptive claim of the tuber	The study confirmed the alteration in the female sex hormones, but not precisely the contraceptive effect of the plant	
Line 206: This diosgenin	Remove the word this	
Line 208: Luteinizing hormone (LH) is produced in the anterior pituitary called gonadotrophs.	Luteinizing hormone (LH) is secreted from cells in the anterior pituitary called gonadotrophs	
Line 209: LH activates secretion	It activates	
Line 222: annovulation and sequelae	<i>anovulation</i> and sequelae	
Line 238-241: Administration of the ethanolic extract of <i>Dioscorea villosa</i> tuber at 400 mg/kg body weight which significantly increased the serum FSH in the rats compared to the control group might----- -	Rephrase the sentence, too much which	
Line 242: might be a pointer to	Might point to the fact that	



SDI Review Form 1.6

the fact that		
In conclusion, line 250: the extract may be employed as a potent female contraceptive.	The extract has the potential to be employed as a potent female contraceptive, so further evaluation for its female contraceptive effect should be considered.	
Minor REVISION comments Line 61: It is species of tuberous	It is a species of tuberous	
Line 62: and fences, the thin, woolly, reddish	and fences. The thin, woolly, reddish	
Line 108 : under a shade	under shade	
Optional/General comments Title could be modified to point only to the effect of on female reproductive hormones and not on contraception	Effect of of <i>Dioscorea villosa</i> Tuber Ethanol Extract on Reproductive Hormones of Female Wistar Rats	
I suggest summarizing the part dealing with plant description (line 61-70) to be more precise and shorter.		
Line 113: give the required brownish-black residue	give a brownish-black residue	

Reviewer Details:

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