



**SDI Review Form 1.6**

Journal Name:	<b><u>British Journal of Medicine and Medical Research</u></b>
Manuscript Number:	<b>2013_BJMMR_8070</b>
Title of the Manuscript:	<b>Fertility Enhancing Potential of Mucuna Pruriens Seeds in Female Sprague-Dawley Rats</b>
Type of the Article	<b>Original Research Article</b>

**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**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b><u>Compulsory</u></b> REVISION comments	<p>-The findings are interesting and useful for continuous study related to <i>Mucuna pruriens</i> especially in reproductive area. The design should be stated clearly in the abstract.</p> <p>- <i>M. pruriens</i> can be used as an alternative to treat problem in fertility instead of prescription drugs.</p>	Line 9, corrected
<b><u>Minor</u></b> REVISION comments	<p>- Selection of dose, based on what? Previous study or which guidelines or method have been referred? You should mention in the methodology.</p> <p>- The dosages can be selected from the acute toxicity since the author did mention about the drug toxicity study.</p> <p>-What do you mean by drug toxicity? Is it include mortality, morbidity, adverse effect. Should clearly mention about it and is it drug referring to extract <i>M. pruriens</i>?</p> <p>- At what age animal has been used? During acclimatization and study period. Should clearly mention in the 2.2. Animals.</p> <p>- In ovulation study, the rats were given a single dose of extract at what dose? Please mention the dose given.</p> <p>-How about the groups, is it the same treatment and control group as in oestrous group study? Author should clearly mention in the methodology.</p>	<p>Line 94, dosage determined by previous study</p> <p>I actually mean adverse effect. Correction made line 74-76 and 134-135.</p> <p>Line 67, two months old</p> <p>Line 99, 100-103, at 50, 100 and 200 mg/kg bodyweights</p>



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	<p>-The type of administration did not mention in the methodology but mention in the result (given by oral administration). Should clearly mention in the methodology type of administration and using what. For example intubation needle etc.</p> <p>-How many days the rats received extract? For oestrus cyclicity study given daily for how long? I can see the extract was given for 24 days in the table but not in the methodology. Please describe in the methodology.</p> <p>-Please write the temperature room of that room? Room temperature always different from any other places, depends on their environment and facility.</p> <p>-In the statistical analysis, the p value is always <math>p &lt; 0.05</math>. -In table 1 until table 4. My suggestion (<sup>a</sup>) should be removed because it will make confusion to the readers. Its look like only the first data at a control group only calculated in mean and SD. My suggestion you just mention that "Values are expressed as mean <math>\pm</math> standard deviation. *p value less than 0.05, (<math>p &lt; 0.05</math>) significant value".</p> <p>- I really want to know the population (n) of the rats used in the statistical analysis. Is it all 40 rats used? It is good if the author can include in the table.</p> <p>It will be good if the histology can be made since the significant increased has been observed in the highest dose. The histology of the ovary and oocytes from the control and treatment groups.</p>	<p>Line 92, oral administration using an oro-gastric tube</p> <p>Line 92, 24 days</p> <p>Line 64, room temperature of 25°C</p> <p>I agree with you, noted and corrected</p> <p>n =5</p> <p>thank you for your suggestion, we will consider another study in which the histology will be included</p>
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<p><b><u>Optional/General</u></b> comments</p>	<p>Typing error: Line 66, soshlet correct one soxhlet. Line 71, repeated word were . Line 108, 10,000 g or 10,000 rpm? It contradiction with line 116. Centrifuge always in rpm. Line 115, spun, correct one spin. Line 156, 183. <i>M. Pruriens</i> correct one <i>M. pruriens</i> Line 185, phytochemincal correct phytochemical.</p> <p>ACUC number (approval number from the committee for using animal in the study). I really want to know whether the veterinarian was around or not during the cervical dislocation procedure. Maybe the author can include in the acknowledgement.</p>	<p>Thank you. I have made the corrections: Line 62, soxhlet corrected Line 71, repeated word deleted Line 113, 10,000rpm corrected</p> <p>Line 122, spun is correct Line 150, 184, <i>M. pruriens</i> corrected Line 187, phytochemincal corrected</p> <p>No, he was not around. I was trained on this procedure and I have been performing this procedure for years now by myself without supervision.</p>
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