



SDI Review Form 1.6

Journal Name:	Asian Journal of Biochemistry, Genetics and Molecular Biology
Manuscript Number:	Ms_AJBGMB_49281
Title of the Manuscript:	COMPARATIVE STUDY OF THE EFFECT OF AQUEOUS EXTRACT OF ENTANDROPHRAGMA ANGOLENSE AND VITAMIN B12 ON INDUCED HEMOLYTIC ANEMIA AND INFLAMMATION IN THE WISTAR RAT
Type of the Article	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		
Minor REVISION comments	<p>1) 2nd and 3rd line of abstract: please write "abdominal or hips pain" instead of abdominal pain or hips.</p> <p>2) 2.6 Treatment of animals: Please write number of male and female in each group since females have less haemoglobin level compare to male rat. Reference: Kong, WN., Niu, QM., Ge, L. et al. Biol Trace Elem Res (2014) 160: 258.</p> <p>3) 2.6 Treatment of animals: please also write Vitamin B12 syrup concentration. Please also provide reference for selecting a particular dose of Vitamin B12 and aqueous extract of E.angolense.</p> <p>4) 3.3 Serum concentration of CRP after injection of phenylhydrazine: Is CRP concentration shown in the graph is an average of D0, D2, D7, D14, D21 and D28 or just D28. Please indicate in graph since it is not obvious.</p>	<p>1) See manuscript abstract</p> <p>2) The objective was to have anemic rats irrespective of sex with a hemoglobin concentration <13 g / dl after treatment with phenylhydrazine. First, we divided the rats into 4 groups of 6 rats. In each group, there were either 3 or 4 males and 3 or 2 females. To avoid mating, males were separated from females for a given group. They were all treated the same way. Then, for the statistical analysis, the results of each hematological parameter were expressed on average accompanied by the standard error on the average for each group (female and male).</p> <p>3) Vitamin B12 concentration in the oral solution is 1000 µg / 4ml References for selecting a particular dose of vitamin B12: -Ashish T, Sachin M, Rizwan S, J. Gadhpayle, L. Bhongade, Vikas S. Antianaemic Potential of <i>Swertia chirata</i> on Phenylhydrazine Induced Reticulocytosis in Rats. American Journal of Phytomedicine and Clinical Therapeutics. 2013 ; 1 : 037-041. -Baskaran K, Suruthi B. Anti-Anemic Activity of Ethanolic Leaf Extract of <i>Kedrostis foetidissima</i> in Phenylhydrazine Induced Anemic Rats. Scholars Academic Journal of Biosciences. 2016; 4(8): 681-683. For aqueous extract dose of E. angolense The different concentrations of E. angolense extracts were prepared taking into account the body weight of the rats and the product dose expressed in mg / kg of body weight. For a weight of 150 grams and for a dose of 200 mg / kg body weight, the amount (a) of the extract to be administered to an animal was determined as follows: $\begin{array}{ccc} 200 \text{ mg} & \xrightarrow{\quad} & 1000 \text{ g body weight} \\ a & \xrightarrow{\quad} & 150 \text{ g} \end{array}$ $a = 150 \times 200 / 1000$ $a = 30 \text{ mg}$ Given that a volume of 1 mL should be administered to an animal weighing 100 g (OECD, 2001), the concentration is: $C = a/v \text{ avec } v = 150/100$ $V = 1,5 \text{ mL}$ So C = 20 mg / mL Reference OECD. Guideline for the testing of chemicals : Acute oral toxicity-Acute Toxic Class Method, N°423 : p.3 </p>



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		4) See manuscript graph
<u>Optional/General</u> comments		

PART 2:

	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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	