

Review Form 1.6

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| Journal Name: | International Journal of Biochemistry Research & Review |
| Manuscript Number: | Ms_IJBCRR_83557 |
| Title of the Manuscript: | LC-MS, GC-MS and Hematological Profile of <i>Mucuna pruriens</i> Extracts in Alloxan Induced Diabetic Albino Rat. |
| Type of the 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:

(<https://journalijbrr.com/index.php/IJBCRR/editorial-policy>)

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) |
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| Compulsory REVISION comments | <p>The author's study shows the potential effect of <i>Mucuna pruriens</i> as a medicine for the treatment of anemia. The design of study is good. Here are some questions and comments about your study.</p> <ol style="list-style-type: none">1. Why do you use the diabetic rat as a model to study the effect of <i>Mucuna pruriens</i> against anemia instead of using solely anemic rat model? Does <i>Mucuna pruriens</i> correct hyperglycemic status of the rat?2. From the results in table 5 and 6, the extract from <i>Mucuna pruriens</i> leaf (table 6) exert dose-response effect in correction of anemia, while the seed extract (table 5) does not. Please explain this finding.3. From table 5, what is the definite value of RBC in group 4? It seems like 500 mg/kg of <i>Mucuna pruriens</i> significantly reduce RBC number.4. From table 6, why the group 6 had significant reduction of platelet after receiving 500 mg/kg of <i>Mucuna pruriens</i> extract?5. In the abstract section, the authors did not mention the summarized results how <i>Mucuna pruriens</i> helps to improve anemia in each parameter (Hb, RBC, Plt, WBC). Please add more details.6. The authors did not explain their findings in the result section. Please write this part and tell the reader more about your results. The explanation should not only be found in the figures and discussion. | Comment accepted and considered |
| Minor REVISION comments | <ol style="list-style-type: none">1. Which constituent of extract from <i>Mucuna pruriens</i> seeds/leaves exert the main effect to correct anemia? Please explain.2. From table 5 and 6, what do superscripts a,b,c,d,e and f stand for? Please explain on the manuscript.3. Please re-do the figure 10. Capture the result from Foxit Reader is unacceptable. | Okay |
| Optional/General comments | <ol style="list-style-type: none">1. There are some vocabulary and grammatical error in this manuscript (i.e. Rheumatoid arthritis in line 9) Please check it. | Okay |

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PART 2:

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