## Review Form 1.6

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| Journal Name: | **Journal of Applied Life Sciences International** |
| Manuscript Number: | **Ms_JALSI_90753** |
| Title of the Manuscript: | **Phytochemical Composition and Hepatoprotective Potential of Ethanolic Root Extract of Jatropha Curcas . L In Acetaminophen-induced Toxicity in Albino 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:

(https://www.journaljalsi.com/index.php/JALSI/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 | **I think that groups 1 to 5, where animals are assigned, are difficult to understand. Especially, I cannot understand what "positive" and "negative" controls mean. The authors use positive control for no acetaminophen (ACPH), but I think this control must be "negative control". What do authors mean by "Received rat"? At any rate, I would like the authors to reconsider how to explain their grouping of the animals.**<br>**I would like the authors to add explanation on silymarin. Judging from the context, silymarin seems to treat harmful effects by acetaminophen. I think, however, the authors have to explain what silymarin is in Introduction or some appropriate place.**<br>**Tables 3 and 4 are the most important data. In these data, there is almost no dose-dependency of the therapeutic effects of the extracts. Does it mean 200 mg/kg extract is enough, and 400 mg/kg extract is excessive amount? Please add some discussion on dose-relationship of the extract.** | |
| **Minor** REVISION comments | I would like the authors to use same abbreviation for acetaminophen. On Page 5 (2.1.6 Experimental Animals), acetaminophen is abbreviated as ACPH, but in Tables 3 and 4, it is abbreviated as AC. Furthermore, on Page 11, acetaminophen is abbreviated as APAP, which is generally used in many scientific paper as an abbreviation for acetaminophen.<br>In Table 4, unit of total bilirubin is strange. I think it should be concentration like micro mol/L.<br>I think the photos shown as plates should be shown at the same magnification. | |
| **Optional/General** comments | | |

**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?** | *(If yes, Kindly please write down the ethical issues here in details)* | |

**Reviewer Details:**

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|---|---|
| Name: | **Shogo Ozawa** |
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