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| Journal Name: | **Asian Journal of Biology** |
| Manuscript Number: | **Ms\_AJOB\_137146** |
| Title of the Manuscript: | **PHYTOCHEMISTRY OF YAM BEAN (Pachyrhizus erosus) AND ITS POTENTIAL ON FEMALE RATS OVARIES** |
| Type of the Article |  |

**PART 1: Comments**

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|  | |  |  | | --- | --- | | **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer** | | | **review.** |  |   **Reviewer’s comment** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | The manuscript bear significance in context of effect of phytoestrogens’ effect on ovarian folliculogenesis. In case of native ovarian steroid defeicient condition, this herbal formulation administration may be effective for females who fails to ovulate in normal condition. On this background, the research contains scientific value and societal relevance. | The present study has elucidated the research gaps and methodological concepts. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Should be changed to “phytochemistry of yam bean (*pachyrhizuserosus)* and its potential on folliculogenesis in female rats ovaries” | I have revised the title according to the reviewer's suggestions. |
| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | Abstract is comprehensive and good. | The abstract includes background, objectives, and methodology. |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript is scientifically correct | This phenomenon already exists, and it is characterised by a distinct methodological concept. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | References are sufficient and recent | The following references are supported by the research material. |
| **Is the language/English quality of the article suitable for scholarly communications?** | Language is good | The following references are supported by the research material. |
| Optional/General comments | The research has been carried out with a good design of work. The GC MS analysis may give new insight on the phyto compounds contain in the extract and its possible effects on ovaries. The histological studies are well documented the number of follicles in the ovary. The result and discussion section is well written.  The manuscript may be accepted with minor revision as indicated. |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |