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| Name: | [**UTTAR PRADESH JOURNAL OF ZOOLOGY**](http://www.mbimph.com/journal/1) |
| Manuscript Number: | **Ms\_UPJOZ\_4992** |
| Title of the Manuscript: | **Evaluation of Hepatoprotective activity of Ethanolic extract of Hopea erosa leaves against Paracetamol induced Hepatotoxicity in Rats** |
| Type of the Article | **Original article** |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **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 titled "Evaluation of Hepatoprotective Activity of Ethanolic Extract of Hopea erosa Leaves Against Paracetamol-Induced Hepatotoxicity in Rats" presents insights into the potential therapeutic application of this medicinal plant. Given the widespread incidence of drug-induced liver injury, particularly from paracetamol overdose, identifying new hepatoprotective agents is of significant scientific and clinical interest. The study contributes to ethnopharmacological knowledge by validating the traditional use of Hopea erosa and exploring its bioactivity through *in vivo* experimentation. Its findings may stimulate further pharmacological and phytochemical investigations into this species. Moreover, the research supports the broader studying of plant-derived compounds with liver-protective effects, aligning with current trends in developing safer, natural alternatives to conventional hepatoprotective drugs. | Thanks for your time and consideration |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, it is suitable** |  |
| **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.** | **The abstract represents the most important points of the manuscript. I suggest to the author(s) to mark the Materal and methods and Results paragraphs within the abstract. Also I recommend to add few words as a introduction regarding *Hopea erosa* medicinal plant while rejecting the discussion part at the very end.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript generally adheres to the standard structure of an original article. However, I recommend organizing the **Materials and Methods** and **Results** sections into subsections to enhance clarity and coherence. For example:  **2. Materials and Methods** 2.1. Sources of drugs and chemicals 2.2. Collection and authentication of plant material 2.3. Preparation of *Hopea erosa* extract 2.4. Experimental animals 2.5. Phytochemical analysis ...etc.  **3. Results** 3.1. Phytochemical analysis 3.2. Effect of the extract on body weight ...etc.  appreciate the detailed description of the extraction process. However, suggest including additional information on the phytochemical analysis—specifically the procedures and instruments used. Additionally, please include details regarding ethical approval for animal experimentation, preferably in the “Experimental Animals” subsection.  Please clarify whether the same animals were used for both histological sampling and blood serum collection.  Also, indicate the statistical software used for data analysis.  In the **Results** section:   * Consider adding graphical representations for the outcomes presented in Table 1. * Provide explanations for the data shown in Table 3 and Figures 1–4. * Instead of repeating group descriptions in each table or figure, define group codes (e.g., letters, numbers, or names) in the Materials and Methods section and use these consistently throughout the manuscript. * Include exact *p*-values for each parameter within figure and table legends to improve transparency.   Regarding the **Discussion**: This section requires significant improvement. Currently, there is no substantive discussion of the findings. The results should be interpreted in the context of existing literature, with references to other relevant studies. Potential mechanisms of action—such as anti-inflammatory or antioxidant pathways—should be supported or refuted based on the presented data. However, none of the parameters tested in the current study directly suggest such pharmacological activity.  Finally, the **Conclusion** should also be revised to reflect the actual findings more accurately and remain consistent with the improved discussion. | The sections are added into subsections to enhance the clarity and ethical committee approved form was attached in the end after references  The advised revisions are made. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | References are not enough for original study. There are only 13 references and 7 of them (about 50%) are older than 10 years. Only 3 are from the last 5 years. I recommend to the authors to add more recent references to the manuscript. | The references are updated and included more references |
| **Is the language/English quality of the article suitable for scholarly communications?** | Yes, the English quality is good enough. |  |
| **Optional/General** comments |  |  |

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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?** |  |  |