

### Review Form 3

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|--------------------------|---|
| Journal Name:            | <a href="#">Asian Journal of Research in Medical and Pharmaceutical Sciences</a>                        |
| Manuscript Number:       | Ms_AJRIMPS_128267   |
| Title of the Manuscript: | Assessment of the Effect of Citrullus Lanatus pulp and seed aqueous extract on the Liver of Albino rats |
| Type of the Article      | Original Research Article   |

#### PART 1: Comments

|   | Reviewer's comment   | Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|---|--|--|
| <b>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.</b> | This manuscript provides valuable insights into the hepatoprotective and potentially hepatotoxic effects of <i>Citrullus lanatus</i> (watermelon) seed and pulp extracts, contributing to the growing body of research on natural antioxidants and their implications for liver health. The study's rigorous experimental design, involving varying doses and detailed biochemical and histological analyses, offers a comprehensive understanding of dose-dependent effects on liver tissues. These findings have significant implications for the scientific community. This research also serves as a foundation for further investigations into the safety and efficacy of natural bioactive compounds in liver health management.   |  |
| <b>Is the title of the article suitable? (If not please suggest an alternative title)</b>   | <b>Yes</b> , it is.  |  |
| <b>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.</b>      | The abstract provides a clear overview of the study's aim, methodology, and key findings, but it could benefit from a few improvements to enhance its comprehensiveness and clarity. Here are my suggestions: <ul style="list-style-type: none"> <li>• Adding a brief statement about why studying the effects of watermelon extract on liver tissues is important could strengthen the introduction.</li> <li>• The results section could emphasize the most significant outcomes, such as the dose-dependent antioxidant activity and any potential risks indicated by inflammatory responses or necrotic changes in histology.</li> <li>• The abstract concludes with findings but does not articulate their broader implications. A concise sentence about the potential applications or significance of these results for future research or practical use would be helpful.</li> </ul> |  |
| <b>Is the manuscript scientifically, correct? Please write here.</b>  | The manuscript is scientifically correct.  |  |
| <b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>                              | <b>YES</b> , they are.   |  |

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| Is the language/English quality of the article suitable for scholarly communications? | Yes.   |  |
| <b>Optional/General</b> comments  | <p>The manuscript is scientifically correct, but certain modifications are necessary to improve its overall quality and clarity. For the <b>introduction</b>, it would be beneficial to elaborate on the rationale behind the use of <i>Citrullus lanatus</i> and explicitly state its relevance or significance in the context of liver health. It would have been better to discuss the composition and phytochemical properties of <i>Citrullus lanatus</i>. Providing informations of its known bioactive compounds and their potential health benefits would offer valuable context for the study and reinforce the rationale for investigating its effects on liver tissues.</p> <p><b>Materiel and method:</b> The combination of the pulp juice and the seed extract is described, but the rationale for using this specific ratio (700 ml pulp juice to 300 ml seed extract) could be clarified. Was this ratio determined based on previous studies or experimentation? For the <b>Findings</b> section, it provides a general overview of the histological observations, but it would benefit from more detailed explanations to help the reader better understand the results.</p> <p>The <b>conclusion</b> of the article could benefit from further refinement to ensure that the findings are well contextualized and the implications are better emphasized, it would strengthen the conclusion to briefly mention how the increased antioxidant activity might contribute to hepatoprotection and whether the observed effects are clinically relevant.</p> |  |

### 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? | <i>(If yes. Kindly please write down the ethical issues here in details)</i> |   |

### Reviewer Details:

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|----------------------------------|------------------------------|
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| Department, University & Country | University of Chlef, Algeria |