

### 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_128251   |
| Title of the Manuscript: | ANTI-OXIDANT EFFECTS OF CHROMATOGRAPHIC FRACTIONS OF ABRUS PRECATORIUS LEAVES (LINN) IN WISTAR RATS |
| Type of the Article      | Original Research Article   |

#### **General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### **Important Policies Regarding Peer Review**

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

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#### **PART 1: Comments**

|   | <b>Reviewer's comment</b>  | <b>Author's Feedback</b> (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> | The study highlights <i>Abrus precatorius</i> as a potential source of natural compounds that can be harnessed for therapeutic purposes. The clear evidence of its antioxidant potential opens the door to further exploration of this plant in the context of functional medicine, offering a safer, more accessible alternative to synthetic antioxidants, which often come with side effects. Thus, the findings provide a strong foundation for future pharmacological applications, with potential for broad health benefits. |   |
| <b>Is the title of the article suitable? (If not please suggest an alternative title)</b>   | <b>Yes, The title of the article is suitable</b>   |   |
| <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>      | <b>Yes, The abstract of the article is comprehensive.</b>  |   |
| <b>Is the manuscript scientifically, correct? Please write here.</b>  | Yes, 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>                              | Yes the references are sufficient.<br>Misra, H. P., & Fridovich, I. (1972). The role of superoxide anion in the autoxidation of epinephrine and a simple assay for superoxide dismutase. <i>Journal of Biological Chemistry</i> , 247(10), 3170–3175.<br>The above reference is not a recent one. References should not be more than 15 years old.   |   |

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| <b>Is the language/English quality of the article suitable for scholarly communications?</b> | Yes the language / English quality of the article suitable for scholarly communications.   |  |
| <b>Optional/General</b> comments   | <ol style="list-style-type: none"> <li>1. The plant biological name <i>Abrus precatorius</i> must be present in italic.</li> <li>2. In The Test for anthraquinones, In the first line the word Abrusprecatorus changed to Abrus precatorius.</li> <li>3. In the sub heading d) 70% H<sub>2</sub>SO<sub>4</sub>, In the first line andactivated must be changed to and activated space must be present &amp; In second line the word positiveresult must be changed to positive result. Space must be present between positive &amp; result.</li> <li>4. In the heading Determination of Reduced Glutathione (GSH) Level, In fourth line ugGSH/min/mg must be changed to µgGSH/min/mg.</li> <li>5. In the heading Determination of Malondialdehyde (MDA), in the sixth line the word umol MDA/mg must be changed to µmol MDA/mg.</li> <li>6. In the heading Determination of Dpph Radical Scavenging activity, the word Dpph changed to DPPH and the below the heading in the fifth line Abrus precatoriuswas must be changed to Abrus precatorius was.</li> <li>In the formula Scavenging activity (%) = 100 x (A<sub>o</sub> – A<sub>s</sub>) A<sub>o</sub> the symbol / is missing between (A<sub>o</sub> – A<sub>s</sub>) &amp; A<sub>o</sub></li> <li>7. In table 1 the word <i>A. precatorius</i>leaves extract must be changed to <i>A. precatorius</i> leaves</li> <li>8. In table 3 the parameters GSH, MDA, CAT, SOD are not correctly present under the heading parameters, they are present at the group and treatment heading.</li> <li>9. In fig 1 &amp; 2 In Y axis The word Increase in parameter must be present as % Increase in parameter.</li> <li>10. In fig 7, in X-axis CONCENTRATION must be changed to CONCENTRATION(mg/ml)</li> <li>11. In introduction at 18<sup>th</sup> line the word idiopathiclinked must be changed to idiopathic linked, space must be present between idiopathic &amp; linked</li> <li>12. In the heading Materials used at 8<sup>th</sup> line the word curvettes must be changed to cuvettes.</li> <li>13. In the heading Test for Carbohydrate (Molisch's Test) at the first line the word anaphthol must be changed to α-naphthol</li> <li>14. In the heading Acute Toxicity study on the of crude extracts of <i>Abrus precatorius</i> leaves the word on the must not be present and at the second line 200-280kg must be changed to 200-280g.</li> </ol> |  |

### PART 2:

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|   | <b>Reviewer's comment</b>  | <b>Author's comment</b> (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) |
| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |  |

### Reviewer Details:

|                                  |  |
|----------------------------------|--|
| Name:                            | <b>Dharmaraj Santhosam. S</b>  |
| Department, University & Country | <b>St. John's College of Pharmaceutical Sciences and Research, India</b> |