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| Book Name: | [Pharmaceutical Science: New Insights and Developments](https://www.bookpi.org/bookstore/product/pharmaceutical-science-new-insights-and-developments-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4112** |
| Title of the Manuscript:  | **Inhibitory effect of Asparagus officinalis extract on allergic asthma in Swiss albino mice** |
| Type of the Article | **Book chapter** |

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| 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)* |
| **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.** | This manuscript is important for the scientific community as it highlights the potential of Asparagus officinalis extract (AOE) in managing allergic asthma, a common chronic condition. The study provides evidence of AOE’s ability to reduce inflammation and improve lung health. It also introduces a unique approach using carrageenan as a model for studying asthma. These findings could inspire further research on natural remedies for respiratory diseases. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The current title, “Inhibitory effect of Asparagus officinalis extract on allergic asthma in Swiss albino mice,” is clear and informative, but it can be refined to make it more engaging and focused.Alternative Title Suggestions:1. “Anti-Inflammatory Potential of Asparagus officinalis Extract in Allergic Asthma: A Study in Swiss Albino Mice”
2. “Therapeutic Effects of Asparagus officinalis Extract on Carrageenan-Induced Allergic Asthma in Swiss Albino Mice”
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| 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. | Additions:* Include numerical results, such as the percentage reduction in WBC count and cytokine levels (IL-6 and TNF-α), along with p-values to highlight the statistical significance of the findings.
* Mention the total number of animals used (40) and the duration of the treatment (one week) to provide a clear understanding of the study’s scale and methodology.
* Briefly describe how AOE reduces inflammation, such as its inhibition of pro-inflammatory cytokine production or its antioxidant properties.
* Add a sentence about the potential application of AOE in developing natural, plant-based treatments for allergic asthma and other inflammatory lung diseases.

Deletions:* Condense repetitive phrases like “treatment with AOE after CGN injection significantly reduced WBC count” to streamline the abstract
* Replace broad statements like “AOE has the potential to be developed as a source of active pharmaceutical ingredients” with a more focused description of its role in inflammatory or respiratory diseases.
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| **Is the manuscript scientifically, correct? Please write here.**  | The manuscript is scientifically accurate, as it follows a clear method, uses proper controls, and provides reliable results through standard tests like histopathology and ELISA. The findings are supported by the data, making the study credible.However, a few areas could be improved:* Include exact values or percentages for the reductions in WBC count and cytokines to make the results clearer.
* Explain How AOE Works: Provide more details about how Asparagus officinalis extract reduces inflammation.

Overall, the study is correct but would benefit from a few small additions for better clarity and completeness. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The references in the manuscript are relevant and provide a strong foundation for the study. However, some of the references could be updated to include more recent studies, particularly those published in the last 5 years, to ensure the research is aligned with the latest scientific developments.Suggestions:1. Include recent studies on the anti-inflammatory effects of Asparagus officinalis, as newer findings could further support the manuscript’s claims.
2. Add references that specifically explore carrageenan as a model for allergic asthma, as this would strengthen the rationale for its use in the study.
3. Consider citing more recent reviews or studies on plant-based treatments for asthma and inflammatory diseases to highlight the broader relevance of the findings.

Updating the references with more recent and specific studies would enhance the manuscript’s credibility and relevance. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language and English quality of the article are generally suitable for scholarly communication. The manuscript is clear and well-structured, with scientific terms used appropriately. However, there are minor issues that could be improved for better readability and professionalism:Suggestions:1. Address minor grammatical mistakes and awkward phrasing. For example, some sentences are overly long or repetitive.
2. Ensure consistent use of terms, such as “carrageenan (CGN)” or “Asparagus officinalis extract (AOE),” throughout the manuscript.
3. Simplify complex sentences for better flow and reader understanding.
4. Some phrases could be reworded to reflect a more formal and scholarly tone.
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| Optional/General comments | Strengths of the Study:* The study is well-structured, with clear objectives and a strong experimental design.
* The use of Asparagus officinalis extract in a carrageenan-induced asthma model is innovative and contributes valuable insights to the field.

Areas for Improvement:* Providing more specific data (e.g., exact reductions in WBC and cytokine levels) would enhance the impact of the findings.
* The discussion could explore broader implications of the results, such as the potential for clinical trials or human applications.

Additional Suggestions:* Adding visual aids like clearer graphs or diagrams could make the results more engaging.
* Consider a stronger emphasis on how this study aligns with or advances existing knowledge in plant-based treatments for inflammatory diseases.
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| **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)*** |
| **Are there ethical issues in this manuscript?**  | ***(If yes, Kindly please write down the ethical issues here in details)*** |  |

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| **Reviewer Details:** |
| **Name:** | **R. Rushmi Kruthiga** |
| **Department, University & Country** | **India** |