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| Journal Name: | [**Asian Journal of Medical Principles and Clinical Practice**](https://journalajmpcp.com/index.php/AJMPCP) |
| Manuscript Number: | **Ms\_AJMPCP\_140594** |
| Title of the Manuscript: | **Rhamnose, A Safe Chemical Compound for The Manufacture of Immunostimulating Pharmaceuticals** |
| Type of the Article | **Review 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.** | This manuscript addresses an important topic in the field of immunopharmacology by focusing on L-rhamnose as a safe and natural immunostimulant. The work compiles comprehensive literature regarding sources, chemical properties, and potential applications of rhamnose in vaccine development and immune modulation. It adds value to ongoing research on natural compounds with immunomodulatory activities, particularly relevant in the post-pandemic era where safer vaccine adjuvants are sought. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes, the title is suitable. Alternatively, it could be: 'L-Rhamnose: A Natural and Safe Immunomodulatory Compound for Pharmaceutical Applications' |  |
| **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 is fairly comprehensive, but would benefit from minor grammatical improvements and clarification of key terms, such as immune targets (e.g., humoral or cellular immunity). |  |
| **Is the manuscript scientifically, correct? Please write here.** | Yes, the manuscript is scientifically sound and well-supported by evidence from recent studies. However, reorganization and minor editing would improve clarity. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes, references are sufficient and recent, mostly from 2024–2025, indicating current and relevant support for the arguments. |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | The English language is generally understandable but needs moderate editorial revision to meet scholarly standards. |  |
| **Optional/General** comments | The manuscript is informative and well-documented. A summary table of studies categorized by rhamnose source and immunological effect is recommended. Figures should be better integrated into the text. Strengths:Originality of the Topic:  * + The manuscript addresses a novel or under-researched topic.   + Presents an innovative idea or modern research approach.  Clarity of Objectives:  * + Research aims are clearly defined and logically aligned with the methodology and results.  Appropriate Methodology:  * + Well-designed study using valid tools and procedures.   + Adequate sample size with reliable execution.  Sound Statistical Analysis:  * + Proper use of statistical tools and software.   + Clearly defined significance levels and interpretation of data.  Well-Organized Results:  * + Data presented clearly using well-structured tables and figures.   + Results support the stated hypotheses.  Strong Discussion:  * + Results are interpreted effectively and compared with previous studies.   + Clear implications and possible applications are discussed.  Good Academic Language:  * + Scientific terminology is used accurately and consistently.   + The manuscript is mostly free of grammatical or typographical errors.  Proper Referencing:  * + Citations are up-to-date and relevant.   + References are formatted according to the journal’s guidelines.  Weaknesses:Lack of Novelty or Contribution:  * + The study addresses a well-known topic without offering new insights.   + Limited or unclear scientific contribution.  Unclear or Incomplete Methodology:  * + Method section lacks detail or transparency.   + Inadequate explanation of study tools or validation methods.  Weak or Unsupported Results:  * + Data interpretation is inconsistent or lacks statistical support.   + Results are not clearly linked to the research objectives.  Superficial Discussion:  * + Insufficient comparison with previous studies.   + Weak justification of findings or lack of critical analysis.  Language and Presentation Issues:  * + Poor writing structure, unclear sentences, or frequent errors.   + Inconsistent formatting or lack of professional tone.  Missing Ethical Considerations:  * + No mention of ethical approval for human or animal studies.   + Absence of disclosure on funding or conflicts of interest.  Referencing Issues:  * + Overreliance on outdated or irrelevant sources.   + Errors or inconsistencies in citation style. |  |

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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?** | **No ethical issues identified. This is a literature review.** |  |

**Reviewer details:**

**Nagam Khudhair Mahdi, University of Anbar\ Education College for Women, Iraq**