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| Journal Name: | [**Asian Journal of Medical Principles and Clinical Practice**](https://journalajmpcp.com/index.php/AJMPCP) |
| Manuscript Number: | **Ms\_AJMPCP\_138003** |
| Title of the Manuscript: | **Evaluation of Bioactive Compounds and Anti-Hyperlipidemic Potential of Hog Plum (Spondias mombin) with Implications for Functional Food Development** |
| Type of the Article | **Original research 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 investigation of natural plants and their phytochemical compounds remains a highly relevant area of research, particularly in relation to their potential roles in health improvement and disease treatment. Many medicinal plants are still underexplored, especially regarding their nutritional and therapeutic benefits. This study makes a valuable contribution to this field by evaluating the bioactive compounds present in *Spondias mombin* and assessing its anti-hyperlipidemic potential. | Reviewers comment is highly appreciated |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | While the current title is generally well drafted, I recommend placing greater emphasis on the term “Anti-Hyperlipidemic”, as it reflects the core objective of the study. Moving it closer to the beginning of the title would help highlight the study’s primary focus more clearly.  At the authors’ discretion, a suggested revision could be:  *“Anti-Hyperlipidemic Potential and Bioactive Compound Profile of Hog Plum (Spondias mombin) with Implications for Functional Food Development”*  Additionally, regarding the use of the name Hog Plum, please note that *Spondias mombin* is also known by other names such as Yellow Mombin, depending on the region. I suggest the authors consider using a more universally recognized common name or clarify the name based on the geographical relevance of their study. If the research is focused on a specific region, it would be helpful to state this clearly and use the common name most appropriate to that area | The new topic has been adopted and effected in the manuscript |
| 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 comprehensive and captures the scope of the study well. However, for improved clarity and readability, I recommend dividing it into clearly labeled sections such as Background, Methods, Results, and Conclusion. | Correction well taken |
| Is the manuscript scientifically, correct? Please write here. | To the best of my knowledge, the manuscript appears to be scientifically sound. | Reviewers comment well taken |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Overall, the references appear to be sufficient and reasonably recent. I do not suggest specific additional references, as that could introduce bias. However, I have highlighted areas of concern within the manuscript where additional citations may be necessary to support key claims. | All corrections has been effected |
| Is the language/English quality of the article suitable for scholarly communications? | While I did not use any grammar correction tools to evaluate the manuscript, I found the writing to be generally clear, and the scientific intent of the authors was well communicated. That said, minor language polishing may still be beneficial, and I trust that editorial proofreading will help refine the manuscript for publication. | Reviewers comment well appreciated |
| Optional/General comments | Authors should please check the manuscript; I have highlighted some comments.  **PLEASE SEE ATTACHMENT** |  |

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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?** | *(If yes, Kindly please write down the ethical issues here in detail)* | All authors hereby declare that “Principles of laboratory animal care” (NIH publication No. 85-23, revised 1985) were followed, as well as specific national laws where applicable. All experiments have been examined and approved by the appropriate ethics committee. |