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| Journal Name: | Asian Basic and Applied Research Journal |
| Manuscript Number: | Ms_ABAARJ_1781 |
| Title of the Manuscript: | Flavonoid-to-Phenol Ratios in Methanolic Extracts of <i>Aspilia africana</i>: Implications for Managing Oxidative Stress |
| 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) |
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| 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 provides valuable insights into the antioxidant potential of <i>Aspilia africana</i> , highlighting its flavonoid/phenol content ratios in different plant parts. This study is significant because it offers a comprehensive understanding of the plant's potential for managing oxidative stress-related disorders. By quantifying bioactive compounds in different plant parts, the research contributes to the development of plant-based therapeutic strategies for diseases associated with oxidative stress. | We appreciate the reviewer highlighting the significance of our manuscript in providing valuable insights into the antioxidant potential of <i>Aspilia africana</i> . |
| Is the title of the article suitable? (If not please suggest an alternative title) | The title is informative and reflects the core of the study. However, it could be simplified and made more concise. Suggested Alternative Title: <i>Flavonoid/Phenol Ratios and Antioxidant Potential of Aspilia africana Methanolic Extracts</i> | We agree with the reviewer that the title could be simplified and made more concise. We have adopted the suggested title by another reviewer. |
| 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 effectively outlines the problem (oxidative stress), the methodology, and key findings, such as the higher flavonoid/phenolic content in the leaves. Suggestions: Emphasize the practical applications of the findings (e.g., potential use in therapeutic or dietary supplements). Avoid repetition of data points like specific values unless critical to the context. Proposed Addition: Highlight the implications of these findings for future research or product development (e.g., formulating antioxidant therapies). | We appreciate the reviewer's suggestion to emphasize the practical applications of our findings. We have revised the abstract to focus on the potential use of <i>Aspilia africana</i> extracts in therapeutic and dietary supplement formulations. Additionally, we have removed redundant data points and highlighted the implications for future research and product development. |
| Is the manuscript scientifically, correct? Please write here. | The manuscript appears to be scientifically sound. However, the following should be clarified or addressed: Provide more details about the calibration curves (e.g., slope validation or error margins for regression analysis). Include discussion on how environmental conditions (e.g., soil composition) may have influenced phenolic/flavonoid production in <i>A. africana</i> . | We appreciate the reviewer's suggestion to provide more details about the calibration curves, including slope validation and error margins for regression analysis. However, we believe that these aspects, as well as the discussion on environmental conditions such as soil composition, fall outside the scope and focus of this study, which is primarily centered on the antioxidant potential and bioactive content of <i>Aspilia africana</i> extracts. As such, we have not included these details in the revised manuscript. |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | The references are adequate and include recent studies up to 2023. However, additional recent studies on oxidative stress management using natural antioxidants could enhance the discussion. Suggested Additional References: Pizzino et al., 2017. <i>Oxidative Stress: Harms and Benefits for Human Health</i> . Hajam et al., 2022. <i>Oxidative Stress in Human Pathology and Aging: Molecular Mechanisms and Perspectives</i> . | Total Phenolic: This term refers specifically to the overall amount of phenolic compounds in a sample, usually quantified using a standard method, such as the Folin-Ciocalteu assay. "Total phenolic" typically refers to the sum of all phenolic compounds in the sample, often expressed as mg of gallic acid equivalents (GAE) per gram of extract, providing a quantitative measure of the total phenolic content in the sample. Suggested references have been included. |

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| Is the language/English quality of the article suitable for scholarly communications? | The language is clear and suitable for scholarly communication. Minor issues include: Some sentences in the abstract and introduction could be simplified for clarity. Ensure consistent use of terms (e.g., "phenolic content" vs. "total phenolic"). | Total Phenolic Content was used to refer specifically to the overall amount of phenolic compounds in a sample, usually quantified using a standard method, such as the Folin-Ciocalteu assay. It is often expressed as mg of gallic acid equivalents (GAE) per gram of extract. Its choice of usage is intentional. |
| Optional/General comments | The manuscript is a significant contribution to the field and, with minor revisions, will be suitable for publication. | All revisions have been made. Once again, we thank the reviewer for their valuable input, which has greatly enhanced the manuscript. |

PART 2:

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