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| Journal Name: | [**Journal of Complementary and Alternative Medical Research**](https://journaljocamr.com/index.php/JOCAMR) |
| Manuscript Number: | **Ms\_JOCAMR\_139906** |
| Title of the Manuscript: | **EFFECTS OF EXTRACTION METHODS ON PHYSICOCHEMICAL INDICES AND FATTY ACID PROFILE OF Arachis hypogaea AND Melothria sphaerocarpa OILS FROM ELELE MARKET, RIVERS STATE, NIGERIA** |
| Type of the 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 provides valuable insights into how different extraction techniques influence the quality, yield, and chemical composition of plant-based oils, particularly from *Arachis hypogaea* and *Melothria sphaerocarpa*. By comparing four widely used extraction methods, the study offers practical guidance for optimizing oil production processes in food, pharmaceutical, and cosmetic industries. The detailed GC-MS profiling adds to the growing body of knowledge on bioactive compounds in underutilized plant species. | Authors are grateful for this |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Title Suggestion:  Comparative Assessment of Extraction Techniques on the Physicochemical Properties and Fatty Acid Composition of *Arachis hypogaea* and *Melothria sphaerocarpa* Seed Oils | The suggested title was adopted by the authors |
| 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. | I wrote my suggestion in the paper already | The suggestions of the reviewer was adopted with very minor corrections |
| Is the manuscript scientifically, correct? Please write here. | Yes, the manuscript is scientifically correct in its overall approach, methodology, and interpretation of results. | The authors are appreciative of this |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | I wrote my suggestion in the paper already | This was noted and necessary action taken |
| Is the language/English quality of the article suitable for scholarly communications? | The language need polishing | The authors read through the manuscript again and did corrections |
| Optional/General comments | Accept with major revisions. the manuscript would benefit greatly from: Language polishing, Clarification of standards and statistical treatment, Consistency in terminology and compound names. | Thanks |

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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 details)* | None exist |