

**Review Form 3**

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| Journal Name:            | <b>Journal of Advances in Biology &amp; Biotechnology</b>                                                                                |
| Manuscript Number:       | <b>Ms_JABB_123430</b>                                                                                                                    |
| Title of the Manuscript: | <b>Lc-Ms Based Targeted Metabolite Profiling, Aas Based Mineral Profiling In Methanol Leaf Extract Of Terminalia bellerica (Gaertn.)</b> |
| Type of the Article      | <b>Research</b>                                                                                                                          |

### Review Form 3

#### PART 1: Review Comments

| <b>Compulsory</b> REVISION comments                                                                                                                                                                                                                 | Reviewer's comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b></p>                        | <p>I have review the paper. The paper need strong revision before resubmission.<br/>The author should include the phytochemical screening before analytical works</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                     |
| <p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>                                                                                                                                                    | <p><b>Yes</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                     |
| <p><b>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.</b></p>                                                                           | <p>The abstract is not well organized; the abstract should be more informative.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                     |
| <p><b>Are subsections and structure of the manuscript appropriate?</b></p>                                                                                                                                                                          | <p>-The author should mentioned in the experimental section that the plant complete botanical name and common vernacular name.<br/>2. Material and methods: Chemicals and standards- All chemicals and reagents sources should be written as (Company name, city and country).<br/>Extraction of drug material- The evaporation temperature should be mentioned.- The model and brand of the instrument should be mentioned.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                     |
| <p><b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b></p> | <p>-The name of the plant taxonomist should be included.<br/>- Must give the detailed extraction procedure of plant material, which solvent was used for extraction and the authors should include extractive value.<br/>-Allots of typographical and grammatical mistakes in the text of this paper.<br/>-The results and discussion section is not written properly.<br/>- Figures more decorated.<br/>-How can authors compare analytical study with pharmacological activity</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                     |
| <p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>                                                                                                   | <p>The author must provide sufficient and recent references.<br/>In Introduction, authors should explain the biological application of identified plant TARGETED METABOLITE PROFILING by LC-MS. it's better to add the citation for other plant (GC–MS analysis and green synthesis of silver nanoparticles using Emblica officinalis leaves and evaluation of its antioxidant and in-vitro anti-hypercholesterolemic potential. Journal of Taibah University for Science, 18(1). <a href="https://doi.org/10.1080/16583655.2024.2390211">https://doi.org/10.1080/16583655.2024.2390211</a><br/>Gas Chromatography–Mass Spectrometry (GC-MS/MS) Analysis, Ultrasonic Assisted Extraction, Antibacterial and Antifungal Activity of Emblica officinalis Fruit Extract, <a href="https://doi.org/10.5530/pj.2019.11.47">10.5530/pj.2019.11.47</a><br/>Determination of Aflatoxins in Medicinal Plants by High-Performance Liquid Chromatography–Tandem Mass Spectrometry. <a href="https://doi.org/10.18433/J3MK6P">https://doi.org/10.18433/J3MK6P</a></p> |                                                                                                                                                                     |

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| <p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p> | <p>The article can be improved with some papers and you can cite some papers in the introduction and discussion sections. It is well-marked that this paper would have a little formally errors. Please check whole manuscript very well and correct please as shape (especially the references section).</p> <p>The authors explain the LCMS-assisted attribute comparing with the recently published paper as per the suggestion in the revised manuscript.</p> <p>Authors need to focus on typographical errors and fix them to meet the journal guidelines.</p>                                                                                                                                          |  |
| <p><b>Optional/General</b> comments</p>                                                                                            | <p><b>Conclusion should be rewrite</b></p> <ul style="list-style-type: none"> <li>• When first using an abbreviation, they full term must be used followed by the abbreviation in parentheses (e.g., Water Quality Index (WQI).....). After introducing the abbreviation in this way, you may use the abbreviation alone.</li> <li>• Author Add a brief list of highlights of the research</li> <li>• -The results and discussion section is not written properly</li> <li>• Abbreviations:- Add a list of abbreviations.</li> <li>• All species names should be written in a proper way; the first letter of genus should be capitalized and the first letter of species should be in small font</li> </ul> |  |

**PART 2:**

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

**Reviewer Details:**

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|---------------------------------------------|----------------------------------------------------------|
| <p>Name:</p>                                | <p><b>Nadeem Ahmad Siddique</b></p>                      |
| <p>Department, University &amp; Country</p> | <p><b>University of Hafar Al-Batin, Saudi Arabia</b></p> |