

**Review Form 3**

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| Journal Name:            | <b>Archives of Current Research International</b>   |
| Manuscript Number:       | <b>Ms_ACRI_123818</b>   |
| Title of the Manuscript: | <b>Effect of different altitudinal on leaf parameters of Garcinia indica (Choisy) in Uttara Kannada</b> |
| Type of the Article      | <b>Original Research Article</b>  |

## Review Form 3

### PART 1: Review Comments

| Compulsory 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>The paper submitted is a good effort and describes the leaf dimensions at different altitudes and zones, affecting the overall economics of the plant <i>Garcinia indica</i>. There have been reports on the same earlier. This work has added further information on the context.</p> <ol style="list-style-type: none"> <li>2. The Title needs to be reframed. Also, the presentation needs several corrections. The quality of English as well as construction of sentence need improvement.</li> <li>3. The Manuscript needs rewriting. The Author is advised to download &amp; use the „Grammarly“ software free of cost for correction/ improvement in the manuscript writing. I have improved quite a bit but it warrants further change in writing.</li> <li>4. Subtitles need to in Italics or bold or underlined or be a different line. Now it looks like incomplete sentences.</li> </ol>  |   |
| <p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>  | <p>Altitude is a major factor in determining the size and weight of leaves. Can you mention as to why the morphometric differences mentioned cannot be due to genetic reasons as the distances between the places of study are quite a bit?</p> <ol style="list-style-type: none"> <li>6. The script indicates forceful reduction or conservation of word count. If the word count is not a problem, the manuscript needs improvement.</li> <li>7. The need, or application of this study to be indicated both in the Abstract &amp; Introduction.</li> <li>8. Mention Fig 1. with appropriate description (Legend) for the leaves (labeling for identification). Only Fig without legend cannot be published</li> <li>9. Fig 2 &amp; 3 can be made as one Fig renaming as 2a &amp; 2b for economy of space and better presentation. Table 3 is to be confined to the available space.</li> <li>10. Table 2 &amp; 3 are to be shifted to Result &amp; Discussion as the Author has recorded the data. Now they are in Materials and Methods.</li> </ol> |   |
| <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>I have edited the manuscript in Track mode for ease of correction. Right click to accept or reject changes. However, the Manuscript needs to be meticulously checking before resubmission.</p> <p>Drying of leaf was by sun and air on the fallen leaves or by artificial means? If by artificial means, describe the method.</p> <p>Mention how was the moisture content derived?</p> <ol style="list-style-type: none"> <li>14. Brackets are shown only for the Means.</li> <li>15. Explain the need for Angular transformation. Which data has undergone Angular transformation?</li> </ol>   |   |
| <p><b>Are subsections and structure of the manuscript appropriate?</b></p>  | <p>. The leaf colour variation in study area in page 6 looks like a Subtitle or is an incomplete sentence? Find it in the Results &amp; Discussion.</p> <ol style="list-style-type: none"> <li>17. Are the altered leaf dimensions are ecological/ environmental or due to genetic consequences, since the distances were quite far?</li> </ol> <p>Hopefully a big leaf size directly affect weight, yield and quality/ quantity of bioactive compounds, this is especially pertinent for sectors using <i>Garcinia indica</i> in food processing, medications, and cosmetics.</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><b>How was the moisture content and leaf dimensions measured? You need to give beside the Length &amp;Width, the surface area measured by the leaf length (L), width (W), and by a constant (i.e., the Montgomery parameter; MP). The calculated Leaf Biomass is further useful. Biomass of the leaf which can be calculated, improves the quality of the work.</b></p>  |   |

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| <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>=</p> | <p>???? signs at few places indicate the need to complete the statement. If it stands for a Subheading, it should a separate line, or in italic or in different font or bold.</p> <p>21. Alter draft and put in the introduction the statement “since the leaf size and weight directly affect yield and quality and quantity of bioactive chemicals, this is especially pertinent for sectors using Garcinia indica in medications, cosmetics studies and on food processing,. Thus we have undertaken the study”. Change the formation keeping the content.</p> <p>The length &amp; breadth of the leaves are more in Zone- A but the weight is more in Zone-C. This calls for study of thickness, density, &amp;/or of the leaves</p> |  |
| <p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>                         |  |  |
| <p>Optional/General comments</p>   | <p>Advised resubmission with improved presentation.</p> <p>24. The word „Altitudinal” doesn”t sound good and better replaced in the title and at least in few other places with „Altitude” and sentence framed accordingly.</p> <p>25. Are the differences observed are Statistically significant?</p> <p>26. The values of highest, lowest leaf length, breadth etc. values need to be put is the appropriate places. I have indicated it at few places in the Manuscript.</p> <p>27. Brackets are only in the Means? What was the need for the Angular transformation? Angular transformation for what- proportions or percentages?</p>  |  |

**PART 2:**

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|  | <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>S. S. Lahiri</b></p>  |
| <p>Department, University &amp; Country</p> | <p><b>Amity Institute of Biotechnology, Amity University, India</b></p> |