

Review Form 1.6

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| Journal Name: | International Journal of Environment and Climate Change |
| Manuscript Number: | Ms_IJECC_85099 |
| Title of the Manuscript: | Physico-chemical changes in Assam Lemon (Citrus Limon Burm.) during fruit development and maturation |
| Type of the Article | Original Research Article |

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

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PART 1: Review Comments

| | Reviewer's comment | Author's comment (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) |
|-------------------------------------|---|---|
| Compulsory REVISION comments | <p>1. Introduction</p> <p>a. Add reference/source 1st paragraph. Add market share of Assam Lemon in India.</p> <p>b. Include more RRL in the introduction</p> <p>c. Considering that the significance is to determine the optimum harvest maturity of Assam Lemon, add the harvesting practices of period of Assam Lemon in India.</p> <p>d. Include the general and specific objectives of the study in the introduction part</p> <p>2. Methodology</p> <p>a. Add location and dates of study.</p> <p>b. Specify the instruments used (e.g. for refractometer state if its brand/specifications)</p> <p>c. Group the analysis (Physical characterization, Chemical Characterization etc.); use this groupings in discussions</p> <p>c. Specify all the methods mentioned (e.g. how was TSS measured? The temperature of juice? how about total chlorophyll method?)</p> <p>d. Add statistical analysis used and the software – one cannot conclude significance of the results or data without this.</p> <p>3. Results and Discussion</p> <p>a. See Table 2. Is it Bio-chemical or chemical properties?</p> <p>b. Mention the P values accordingly. Use it in reporting the significance of the values or data or differences of the means.</p> <p>4. Conclusion</p> <p>a. Double check the use of the word “qualitative.”</p> | <p>Revision amended</p> <p>Corrected</p> <p>Done</p> <p>Amended</p> <p>Done</p> |
| Minor REVISION comments | <p>Format the paper following the publishing institution requirements. Format Table 1.</p> <p><i>“The pulp of the fruits (5fruits) at each stage was macerated in a blender and it was used for chemical analysis.”</i> --- What do you mean by this?</p> | <p>Revised</p> |
| Optional/General comments | <p>- Consistency with use of shortened words (e.g. DAFS)</p> <p>The manuscript needs serious revisions. The significance, objectives and methodology must be very clear or there is nothing to discuss or conclude. See specific comments above.</p> | |

PART 2:

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