



**SDI Review Form 1.6**

|                          |                                                                                                |
|--------------------------|------------------------------------------------------------------------------------------------|
| Journal Name:            | <a href="#">American Chemical Science Journal</a>                                              |
| Manuscript Number:       | Ms_ACSJ_21119                                                                                  |
| Title of the Manuscript: | Vitamin C (L-ascorbic acid) content in different parts of Moringa Oleifera grown in Bangladesh |
| 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



## SDI Review Form 1.6

### 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments | <p><b>Lines 59-60:</b> "samples... were collected from the six different plants", how many samples <i>per</i> plant? How many tender leaves, matured leaves, flowers and pods?</p> <p><b>Line 61:</b> "...were cleaned to remove dirt and other impurities.." please explain how it has been done.</p> <p><b>Lines 61-62:</b> "Six trees were designated as T-1, T-2, T-3, T-4, T-5 and T-6." please explain how these plants were chosen.</p> <p><b>Line 76:</b> "...solutions were then filtered" please explain how it has been done.</p> <p><b>Line 93:</b> remove " and discussions".</p> <p><b>Lines 96-103:</b> 3.1.1 Standard solutions paragraph should be in "Materials and methods" section. Please remove them from "Results".</p> <p><b>Figures 1, 2 and 3</b> are not in the text, they should be removed.</p> <p><b>Table 1:</b> The data have been analyzed statistically? Please report in the table the statistical analysis results and explain how it has been done in "materials and methods" section.</p> <p><b>Figure 4 and Table 1</b> show the same data, please delete</p> | <p><b>Lines 59-60:</b> Four types of samples i.e. tender leaves, matured leaves, flowers and pods were collected from each plant (e.g. T-1, T-2, T-3, T-4, T-5 and T-6). So tender leaves are of six in number each from T-1, T-2, T-3, T-4, T-5 and T-6. And same for matured leaves, flowers and pods.</p> <p><b>Line 61:</b> First, surface dust was removed by mild airflow then other dur was cleaned by gentle washing with laboratory tap water. Finally plants parts were air dried.</p> <p><b>Lines 61-62:</b> Plants were chosen randomly from BCSIR campus because all plants are of same species i.e. <i>Moringa Oleifera</i></p> <p><b>Line 76:</b> Filtration has been done by vacuum filter apparatus having Buchner filter funnel and Whateman filter paper 1.</p> <p><b>Line 93:</b> "and discussions" has been removed.</p> <p><b>Lines 96-103:</b> Standard solutions paragraph has been removed from "Results" and inserted to "Materials and methods". The head line named '3.1 Measurement of ascorbic acid' has been deleted from "Results".</p> <p><b>Figures 1, 2 and 3</b> Figure 1 has mentioned in</p> |



**SDI Review Form 1.6**

|  |                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>one of them.</p> <p><b>Line 143:</b> Table 2 is not reported in the text. Let's try the following, "<i>M. oleifera</i> is quite capable of meeting the RDAs of vitamin C for all age groups (Table ...)."</p> | <p>line 98 and Figure 2 and 3 in line 89. Therefore these three Figures are essential to explain the text.</p> <p><b>Table 1:</b> The data have not been analyzed statistically. If statistically analysis is required then it could be provided, however few more days would be needed.</p> <p><b>Figure 4 and Table 1</b> Figure 4 is the graphical representation of the Table 1. For that these two are complementary to each other. This would help to understand the data more easily. So no deletion is required.</p> <p><b>Line 143:</b> Necessary correction has been done as per as suggestion in line 143.</p> |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



**SDI Review Form 1.6**

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Minor</b> REVISION comments</p> | <p><b>Lines 6-7 and 17 :</b> the words “(ascorbic acid, ascorbate, AA)” and “(L-ascorbic acid)” could be deleted from the Abstract and from the Aims;</p> <p><b>Lines 9-10:</b> Let’s try the following, “Vitamin C content in fresh samples of six different <i>M. olifera</i> plants were determined by the HPLC method”.</p> <p><b>Line 18:</b> “vitamin C” instead of “Vit- C”.</p> <p><b>Line 23:</b> Let’s try the following, “...and 3.96 to 8.27 mg/100g for four weeks aged pods”.</p> <p><b>Lines 32-33:</b> Let’s try the following, “In cells AA reduces hydrogen peroxide (H2O2) preserving cells against reactive oxygen species”.</p> <p><b>Line 44:</b> “anti-inflammatory” instead of “Anti-inflammatory”.</p> <p><b>Line 47:</b> “vitamin C” instead of “Vitamin C”.</p> <p><b>Line 47:</b> “<i>M. oleifera</i>” instead of “<i>Moringa oleifera</i>”.</p> <p><b>Line 54:</b> replace “purified with...” with “purified by...”.</p> <p><b>Line 59:</b> “tender and matured leaves, flowers and pods” instead of “Tender leaves, matured leaves, flowers and pods”.</p> <p><b>Line 72:</b> “fresh samples” instead of “Fresh samples”; and replace “..flowers, and four weeks aged pods” with “..flowers or four weeks aged pods”.</p> <p><b>Line 77:</b> “each extract” instead of “each extracts”.</p> | <p><b>Lines 6-7 and 17:</b> The words “(ascorbic acid, ascorbate, AA)” and “(L-ascorbic acid)” has been deleted from the Abstract and from the Aims.</p> <p><b>Lines 9-10:</b> Necessary correction has been done as per as suggestion in line 8-9.</p> <p><b>Lines 18:</b> Necessary correction has been done as per as suggestion in line 18.</p> <p><b>Line 23:</b> Necessary correction has been done as per as suggestion in line 23.</p> <p><b>Lines 32-33:</b> Necessary correction has been done as per as suggestion in line 32-33.</p> <p><b>Line 44:</b> Necessary correction has been done as per as suggestion in line 44.</p> <p><b>Line 47:</b> Necessary correction has been done as per as suggestion in line 47.</p> <p><b>Line 47:</b> Necessary correction has been done as per as suggestion in line 47.</p> <p><b>Line 54:</b> Necessary correction has been done as per as suggestion in line 54.</p> <p><b>Line 59:</b> Necessary correction has been done as per as suggestion in line 59.</p> <p><b>Line 72:</b> Necessary correction has been done as per as suggestion in line 72.</p> <p><b>Line 77:</b> Necessary correction has been done as</p> |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



**SDI Review Form 1.6**

|                                         |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                         | <b>Line 87:</b> "AA" instead of "ascorbic acid (AA)". | per as suggestion in line 77.<br><br><b>Line 87:</b> Necessary correction has been done as per as suggestion in line 87.                                                                                                                                                                                                                                                                                                                        |
| <b><u>Optional/General</u></b> comments |                                                       | Due to insertion of Standard solutions paragraph at line no. 79 ("Materials and methods") and deletion of '3.1 Measurement of ascorbic acid' from "Results", the line numbering has been changed accordingly after line no. 79. So comments bearing line no. at ' <b>Author's comment</b> ' column showing old line numbering before this two corrections occurred. The uncorrected manuscript may require to find out the new correction site. |