

REVIEWER'S REPORT

Manuscript No.: IJAR-58629

Title: Preparation, Development and Evaluation of Whole Apple Matrix Cider Vinegar

Recommendation:

- Accept as it is
 ✓ Accept after minor revision.....
 Accept after major revision
 Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity		✓		
Significance	✓			

Reviewer Name: Dr S. K. Nath

Detailed Reviewer's Report

Strength of the study:

- The study focuses on a useful functional food with practical value
- Clear objectives and a well described preparation method
- Different flavored formulations improve the novelty of the work
- Standard analytical methods were used for product evaluation
- Sensory evaluation included multiple quality attributes
- SEM analysis adds scientific support to the findings
- Results are presented in a clear and organized manner

Weakness of the study:

- Statistical analysis needs more detailed explanation
- Sample size for sensory evaluation is relatively limited
- Ethical clearance for sensory panel participation is not clearly mentioned
- Some grammatical and formatting errors require correction
- Shelf life and storage stability were not evaluated
- Limitations of the study need further discussion
- Future validation through larger studies is recommended

Reviewers Comments:

The manuscript presents a well-planned study on the preparation and evaluation of flavored apple cider vinegar using whole apple matrix. The objectives are clearly stated, and the experimental procedures are easy to follow. The inclusion of proximate analysis, mineral profiling, sensory evaluation, and SEM characterization strengthens the scientific value of the work. However, the manuscript requires minor improvements in grammar, sentence construction, and formatting to improve readability. The statistical analysis should be described in greater detail, and the study limitations should be discussed more openly. Ethical clearance or ethical exemption for the sensory evaluation involving human participants should be clearly stated in the manuscript. Information regarding shelf life and product stability would further improve the practical significance of the study. Overall, the work is scientifically relevant, the findings are useful, and the manuscript is suitable for publication after minor revision.

Previously Published anywhere/Plagiarism check:

The manuscript appears to be an original research study, and no obvious indication of prior publication was observed during the review. There are no visible signs of plagiarism based on the submitted document. However, the journal should conduct a standard plagiarism screening before publication to confirm originality and compliance with ethical publishing standards.