

Review Form 1.7

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_112787
Title of the Manuscript:	Non-Destructive Prediction of Quality Parameters in Alphonso Mangoes Using Near-Infrared Spectroscopy: A Comprehensive Study on Physicochemical Characteristics and Ripening Dynamics
Type of the Article	Research paper

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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> Yes, The manuscript holds significance due to its novel utilization of Near-Infrared Spectroscopy for the assessment of mango quality. This approach provides valuable insights into postharvest practices and methods for predicting quality. Given that it appropriately conveys the breadth and focus of the study, the title "Exploring Near-Infrared Spectroscopy for Predicting Quality Parameters in Alphonso Mangoes: A Comprehensive Study" is appropriate. Given that it appropriately conveys the breadth and focus of the study, the title "Exploring Near-Infrared Spectroscopy for Predicting Quality Parameters in Alphonso Mangoes: A Comprehensive Study" is appropriate. Yes, the manuscript's structure and subsections are arranged correctly to promote readability and ease of comprehension of the content. The conclusions drawn in the manuscript are supported by appropriate methodology and data analysis, making it scientifically sound. The references are usually adequate, but in order to make the manuscript more current, it would be wise to add more references, at least half of which should be articles published after 2020. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	yes	
<p>Optional/General comments</p>	<p>The study's efficient use of near-infrared spectroscopy to examine Alphonso mango ripening holds promise for improvements to the postharvest procedures used by the mango industry..</p> <ul style="list-style-type: none"> More information about the sample selection, cross-validation, and validation processes involved in the calibration of PLS regression models would improve the study's reproducibility and transparency.. 	

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PART 2:

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

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