

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_121598
Title of the Manuscript:	Effect of Tinted Colour and Embedding Media on drying quality of chrysanthemum (<i>Dendranthema grandiflorum</i>) cv. Pusa Shwet in Hot Air Oven
Type of the Article	

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>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.</p>	<p>The authors studied to find the most suitable medium and dye for the minimum drying loss of colored chrysanthemum flowers in hot air oven. They used sand, borax, silica gel, sand + borax, sand + silica gel, borax + silica gel for embedding media. They investigated drying quality in terms of moisture loss, sensory properties and reducing sugar.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>No. "Effect of colouring and embedding medium on the quality of chrysanthemum (<i>Dendranthema grandiflorum</i>) cv. Pusa Shwet flowers dried in hot air oven"</p>	
<p>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.</p>	<p>No. Abstract is weak. The authors should give the background, objective of the study, methods, results and conclusions in the abstract part. "...conducted in Mata Gujri College, Fatehgarh Sahib during the educational year 2022-2023 inside the laboratory of Department of Agriculture" should be removed from abstract. It should be given in Materials & Methods.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>No. Introduction is insufficient, it should be improved by adding;</p> <ul style="list-style-type: none"> - Properties of chrysanthemum (<i>Dendranthema grandiflorum</i>) cv. Pusa Shwet flowers, why this type of flower is selected? - Literature studies focusing on dying flower applications - It is written "So, to preserve flowers for a long time, we use different drying methods and on the other hand, dried flower products have long shelf life and maintain their aesthetic value for a long period of time (Malcolm1994)." There is one drying method hot air oven drying with the parameters of colors and embedding medium, they used microwave in the preparation part. - Why to choose hot air oven drying? - Aim of the study <p>Materials and Methods part is insufficient, it should be improved by adding;</p> <ul style="list-style-type: none"> - Where were the materials supplied or purchased from? - Information about the food dyes, what are they? Artificial or natural? - Information about the embedding media? - Information about the equipments and instruments and parameters of the equipments used? Brand, country..etc.? - A flowchart for the preparation would be added to increase understandability of the process. Drying method (microwave and hot air oven drying) can be confused. - Methods of measurements of moisture loss, sensory evaluation and reducing sugars are missing, should be added. - How many replications were conducted? - Statistics should be added for comparison. <p>Results and Discussion part should be improved by adding;</p> <ul style="list-style-type: none"> - Table 1 should be given in the moisture loss part and the mentioned in the text. - Table 1 does not show statistics, statistics should be added. - A footnote should be added to Table 1 showing M₁,..... M₆, C₁,..... C₄, CD_{0.05%} - Table 1 should be mentioned in the sensory evaluation. - A figure showing the dried flowers is suggested to be added in the sensory evaluation part. - What type of reducing sugars? Should be added. <p>Conclusions should be improved by adding;</p>	

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	<ul style="list-style-type: none">- Importance of the study- Why sand and yellow color is best should be explained.- Recommendations for the future studies.	
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.	Study has two independent variables: colour and embedding media. Drying quality was evaluated with moisture loss, sensory evaluation, and reducing sugars. Most appropriate embedding medium and colour was investigated. However, methods are missing, how moisture loss, sensory evaluation and reducing sugars are measured. Information of reducing sugar types is missing. Statistics should be added for the comparison.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Latest reference is from 2022. It is suggested to screen for the latest references.	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	No. Authors should check the grammar of whole manuscript.	
Optional/General comments	<ul style="list-style-type: none">- Authors should check the grammar of whole manuscript.- Authors should use passive voice instead of active voice.- Guidelines of the journal should be checked.	

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)
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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