

Review Form 1.7

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| Journal Name: | International Journal of Plant & Soil Science |
| Manuscript Number: | Ms_IJPSS_100648 |
| Title of the Manuscript: | Effect of different levels of local yeast in pomegranate (<i>Punica granatum</i> L.) cider |
| 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.journalijpss.com/index.php/IJPSS/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) |
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| <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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p> | <ol style="list-style-type: none"> The subject matter of the research undertaken is interesting, the experiment was well planned, but the manuscript needs clarification before publication Title is suitable The abstract of the article is comprehensive, but need to some changes, the abstract provides a clear summary of the study, highlighting the superior treatment and cost-benefit ratio. To enhance the abstract, it would be beneficial to include the specific yeast strain used, specify the fermentation duration, and provide more details on the sensory evaluation methods and attributes assess. Structure of the manuscript is appropriate but need some addition in introduction and result discussion section Manuscript is scientifically correct but need some addition. References are sufficient but not recent, add recent reference The motivation of the paper is not sufficiently justified in the introduction. It should be extended to justify the importance of the study. To improve the introduction section and other sections. mention the research gap. The detailed information on the instruments used must be given including the model, manufacturer, name of company, etc. The results have been well represented but the discussion needs to be improved (i.e. comparison to other works and citations). | |
| <p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? | <p>There are some of grammatical errors all over the manuscript. You need to review your English.</p> | |
| <p>Optional/General comments</p> | <p>It is useful work and have related practical applications</p> <p>Introduction provides a general overview of the research topic, it lacks specific details about the experimental design and methodology. It would be helpful to include information about the number of replicates for each treatment, the duration of fermentation, and any additional parameters or measurements that will be evaluated. Providing these details would enhance the clarity and comprehensiveness of the introduction.</p> <p>Materials and Methods</p> <ol style="list-style-type: none"> The specific brands and models of the pH meter, hand refractometer, titrimeter, and hydrometer used for the analysis should be mentioned for transparency and reproducibility. It would be helpful to provide information on the sample size and replication used for the physio-chemical parameter analysis to ensure statistical validity. Details regarding the specific methods and protocols employed for harvesting fruit, washing, milling and pressing, fermentation, maturation, racking off, filtering or fining, bottling, and storage should be included to provide a comprehensive understanding of the cider making process. Additional information on the environmental conditions (temperature, humidity, etc.) during fermentation and storage would be beneficial as they can significantly influence the cider's physio-chemical properties. It would be useful to mention any specific standards or reference methods used for the determination of physio-chemical parameters to establish comparability with other studies or industry standards. <p>Results and Discussion</p> <ol style="list-style-type: none"> Insufficient information provided on the specific yeast strains used in the experiment. Lack of statistical analysis to support the observed differences in TSS, alcohol content, acidity, pH, and specific gravity. Limited discussion on the potential impact of different yeast levels on flavor profiles and sensory attributes of the pomegranate cider. | |

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| | <p>4. Absence of comparisons with existing literature on pomegranate cider fermentation to provide a broader context for the findings.</p> <p>5. Need for further exploration of the fermentation process, including fermentation kinetics and microbial population dynamics, to better understand the observed changes in the cider.</p> <p>The conclusion lacks sufficient analysis or discussion of the results and their implications, making it difficult to fully understand the findings of the study.</p> | |
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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> |
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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> | |

Reviewer Details:

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| Name: | Ganesh Namdev Shelke |
| Department, University & Country | Mahatma Phule Krishi Vidyapeeth, India |