

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_105056
Title of the Manuscript:	“Effect of different level of sugar and yeast on production and quality attributes of Apple Cider (Malus x domestica) cv. Royal Delicious”
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.journalijecc.com/index.php/IJECC/editorial-policy>)

Review Form 1.7

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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The apple is a cultivated and widely consumed fruit all over the world, and from this point of view it is subject to scientific research, as well as some products resulting from its processing, such as cider. Cider is a drink with a low alcohol content, obtained mainly by the fermentation of apples and widely consumed due to its health benefits, as it contains nutrients and antioxidants (an example being the quercetin from the peel of apples), having a low number of calories, but rich in fibers. The flavonoids in apple cider can reduce the risk of coronary heart disease, but especially cardiovascular disease. The aim of this study consists of 9 treatment combinations with different concentrations of apple juice, sugar and yeast with three replicates in the Post-Harvest Laboratory of the Department of Horticulture, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj, during 2022. This study has an appropriate structure for research, in chapters, namely: introduction, a presentation is made of apples and where they are grown, as well as about cider; materials and methods present: the climate of the experimental location, treatment details, apple cider preparation and recorded observations; the results and discussions that are presented in 2 tables (effect of different treatments on sensory evaluation of stored apple cider, effect of different treatments on quality parameters of stored apple cider) and 5 (effect of different treatments on sensory evaluation of stored apple cider, taking the TSS of apple cider, taking the pH of apple cider, final product, effect of different treatments on quality parameters of stored apple cider), and the chapter concludes the findings following the results obtained. By following the research steps, the article is scientifically correct. For this study, 29 bibliographic titles were studied, but there is no bibliographic title in the last 5 years.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes, Is language/English quality of the article suitable for scholarly communications</p>	
<p>Optional/General comments</p>	<p>In the specialized literature, the apple and the products resulting from its processing, have been studied due to the benefits they have, I consider the use of bibliographic titles in the realization of this research study from the last 5 years, which will give an added scientific value. The materials and methods chapter does not present the analysis methods that were used to obtain the results that are presented in the results and discussions chapter. After completing these observations, the work can be published.</p>	

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

Reviewer Details:

Name:	Țița Mihaela Adriana
Department, University & Country	Lucian Blaga University of Sibiu, Romania