

### Review Form 3

Journal Name:	<b>Asian Journal of Applied Chemistry Research</b>
Manuscript Number:	<b>Ms_AJACR_121623</b>
Title of the Manuscript:	<b>Oxidation in Vegetable Cooking Oils: Synthetic versus Natural Antioxidants</b>
Type of the Article	<b>Review Article</b>

#### **General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

#### **Important Policies Regarding Peer Review**

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/> Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

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### PART 1: Review Comments

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her
<b>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.</b>	The current research can be applied in many aspects, not only to educate the public not to expose edible oils to high temperatures for long periods of time, but also to the production of biofuels.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	Yes. The title of the article is suitable.	
<b>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.</b>	Well written and comprehensive summary, I just suggest in the last paragraph of the summary, specifying scientific criteria for preferring vegetable oils antioxidants over synthetic antioxidants	
<b>Are subsections and structure of the manuscript appropriate?</b>	yes	
<b>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.</b>	An analytical study of antioxidants in vegetable cooking oils is important and necessary to understand the importance of these compounds in maintaining the quality of oils and food safety in order to educate and inform the consumer. The manuscript presented a good analytical model in terms of the role and use of both natural and synthetic antioxidants. moreover, to addressing the results of most scientific studies between 2000 and 2019. This study focuses on analyzing the factors affecting the quality and efficiency of antioxidants,	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> -	The references are sufficient but need updating, because there are more recent studies than those referred to in the study, for example.  Zahid, Muqaddas, Samran Khalid, Sumbal Raana, Sara Amin, Hamza Javaid, Rizwan Arshad, Ayesha Jahangeer, Saeed Ahmad, and Syed Ali Hassan. "Unveiling the anti-oxidative potential of fruits and vegetables waste in prolonging the shelf stability of vegetable oils." <i>Future Foods</i> (2024): 100328. <a href="https://doi.org/10.1016/j.fufo.2024.100328">https://doi.org/10.1016/j.fufo.2024.100328</a>	
<b>Minor</b> REVISION comments		
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	yes	
<b>Optional/General</b> comments	The manuscript is written in a peaceful scientific language suitable. It needs to cite a study that is somewhat recent, but this does not affect the credibility of the study and its importance in the scientific research environment and comprehensive review the results	

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**PART 2:**

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

**Reviewer Details:**

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