

### 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:

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

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### PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p><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></p>	<p>Research can help determine the long-term safety and potential health risks associated with synthetic antioxidants like BHT, BHA, and TBHQ. This includes understanding any possible links to diseases or adverse health effects. Studies can evaluate the health benefits of natural antioxidants such as Vitamin E, polyphenols, and rosemary extract, including their impact on chronic disease prevention and overall health</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>Comparing Synthetic and Natural Antioxidants in Vegetable Oils: Effects on Oxidation and Oil Quality"</p>	
<p><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></p>	<p>The abstract is good in all aspects</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>Yes they are perfect</p>	
<p><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></p>	<p><b>Clear Focus:</b> The abstract effectively sets the stage by highlighting the growing attention towards natural antioxidants due to consumer demand and concerns over synthetic antioxidants. <b>Scope and Relevance:</b> It clearly outlines the review's aim to evaluate scientific studies and experimental investigations related to oxidation in edible oils. <b>Contribution:</b> The abstract describes how the review contributes valuable insights into the debate on antioxidants, addressing mechanisms, effectiveness, and limitations. Findings Summary: It summarizes the key finding that natural antioxidants might offer better stability for vegetable oils.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>Some references are very date back but it is acceptable if they have other references fresh one</p>	
<p><u>Minor</u> REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>English is fine</p>	
<p><u>Optional/General</u> comments</p>	<p>No</p>	

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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:**

Name:	<b>Bushra Rehman</b>
Department, University & Country	<b>Bacha khan University, Pakistan</b>