

### Review Form 1.7

Journal Name:	<a href="#">International Research Journal of Pure and Applied Chemistry</a>
Manuscript Number:	<b>Ms_IRJPAC_110514</b>
Title of the Manuscript:	<b>KINETIC, EQUILIBRIUM AND THERMODYNAMIC STUDY OF GROUNDNUT OIL BLEACHING USING ACTIATED RICE HUSK AS ADSORBENT</b>
Type of the Article	<b>Original Research Article</b>

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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)
<b>Compulsory</b> REVISION comments  1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)  2. Is the title of the article suitable? (If not please suggest an alternative title)  3. Is the abstract of the article comprehensive?  4. Are subsections and structure of the manuscript appropriate?  5. Do you think the manuscript is scientifically correct?  6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.  <u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u>	<p>The manuscript deals with bleaching of groundnut oil with the use of raw and activated rice husk by varying temperature, adsorbent dose and contact time. Several kinetic, isotherm and thermodynamic analyses were also performed. Characterizations of the prepared adsorbent were also shown which gives understanding on the sizes and shapes of the pores available. Thus the manuscript can be preferred as an important contribution for scientific community.</p> <p>It is suitable to some extent but the authors can go for an alternative title “APPLICATION OF ACTIVATED RICE HUSK FOR ADSORPTIVE BLEACHING OF GROUNDNUT OIL: KINETIC, EQUILIBRIUM AND THERMODYNAMIC STUDY”.</p> <p>The abstract of the article is comprehensive enough and briefly summarises all the contents of the article.</p> <p>The subsections and overall structure of the manuscript are appropriate with slight modifications as given below in the comment section.</p> <p>The manuscript is scientifically correct as far as my knowledge is concerned.</p> <p>The references provided are not actually recent ones. Authors are requested to provide at least some of the recent references of their own choice.</p>	
<b>Minor</b> REVISION comments  1. Is language/English quality of the article suitable for scholarly communications?	The English quality or language of the article is suitable for scholarly communications.	
<b>Optional/General</b> comments	1. There is a mention of RSM CCD design once in section 2.1, while nowhere RSM CCD design has been applied and shown. 2. Provide citations for each equation used throughout the manuscript. 3. Please find out the optimum temperature, adsorbent dose and contact time to achieve maximum bleaching efficiency from temperature, dose and time variation study. 4. Table 5 can be placed after the discussion part of section 3.4.4. Similarly Table 6 can be placed after the discussion part of section 3.5.4. 5. The scale of X-axis and Y-axis of Figure 15, 17 and 19 can be reduced so that the linear plots can occupy the space available within the graph. 6. It will be better if all kinetic, isotherm and thermodynamic plots can be plotted using advanced software like “Origin” instead of Microsoft Excel. 7. Use of dark colour for all the plots throughout the manuscript will be appreciated. 6. Some more important observations can be included in the conclusion part.	

### 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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	

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