



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Physical and Chemical Sciences</a>
Manuscript Number:	Ms_AJOPACS-39338
Title of the Manuscript:	Sorption Studies of Dyestuffs on Low Cost Adsorbent
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	<ul style="list-style-type: none"> <li>- Introduction section needs to be improved (Give information about Palm kernel shell. Why use this material? / Improve justification of your paper. Are there other reasons to conduct this study? / States introduction from general information up to specific concerns. Paragraphs are confused and unclear / Improve definition of adsorption (incomplete concept).</li> <li>- The aim of this study also needs to be improved (rewritten)</li> <li>- Materials and methods section. SEM and FTIR methods are not described. Other methods are not completely described (For instance, properties of solutions were measured?? How absorbance was measured?? How temperature was measured?). Isotherm is incomplete. You should provide detailed information about methodology (Why 60 minutes? Generally, isotherm is performed in 24 hours. Were the samples agitated during isotherm? Calibration curves were performed?)</li> <li>- Results and discussion section. How about the other properties of carbon??? Why are they different? You reported only surface area. / Where's discussion in FTIR section? (There's just a figure report) / In effect of pH section - why pH decreased after 8? Why increased? You should explain the effect of pH based in surface chemical structure of AC. / Why compare temperature in other effects (Fig 6,7,8,9)? / Improve discussion in adsorption isotherm and kinetics modelling (What information this can bring to AC adsorption?)</li> </ul>	
<b>Minor</b> REVISION comments	<ul style="list-style-type: none"> <li>- Put quantitative information on abstract and conclusion. It is too general.</li> <li>- Compare the effects on adsorption in conclusion section.</li> </ul>	
<b>Optional/General</b> comments	<p>Manuscript reports about a low-cost adsorbent (activated carbon) produced from palm wastes and its adsorption properties. This is an important topic and manuscript has some scientific merit. However, manuscript needs to be rewritten and reorganized. There are many errors in all manuscript and it is confused. Then, I recommend reject and resubmit this manuscript.</p> <p>Following are presented some general comments.</p> <ul style="list-style-type: none"> <li>- English needs to be improved.</li> <li>- Academic writing needs to be improved (comma, cohesion to link paragraphs)</li> <li>- Introduction is too general and not complete (lack of information)</li> <li>- There's lack of information in methodology</li> <li>- Discussion needs to be improved. There's just a report of results. Try to explain why some event occurs.</li> <li>- Figures in different quality. FTIR figures could be supplied as a graph. Quality is inappropriate for publication. SEM images are in a poor quality.</li> <li>- Apart from characterization methods cited, I suggest performing Boehm titration, XPS, elemental analysis in order to obtain further information about chemical structure of AC.</li> </ul>	

**Reviewer Details:**

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