

## Review Form 1.7

Journal Name:	<b>Asian Journal of Chemical Sciences</b>
Manuscript Number:	<b>Ms_AJOCS_109434</b>
Title of the Manuscript:	<b>SYNTHESIS AND CHARACTERIZATION OF ACTIVATED CARBON FROM MAHOGANY FRUIT SHELL (<i>Khaya senegalensis</i>) IMPREGNATED WITH TiO<sub>2</sub> USED IN THE ADSORPTION OF CADMIUM AND ARSENIC</b>
Type of the Article	

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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)
<p><b><u>Compulsory</u></b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>The Synthesis of Activated Carbon From Mahogany Fruit Shell Impregnated With Tio2 is interesting to get the good adsorbent for heavy metal adsorption</p> <p>No</p> <p>SYNTHESIS AND CHARACTERIZATION OF ACTIVATED CARBON FROM MAHOGANY FRUIT SHELL (Khaya senegalensis) IMPREGNATED WITH TIO2 FOR CADMIUM AND ARSENIC ADSORPTION</p> <p>yes</p> <p>Abstract already contained all purpose, method, result and conclusion</p> <p>yes</p> <p>No</p> <p>1. Figure of FTIR and XRD analysis not consistent scale between unimpregnated and impregnated adsorbent. It difficult to compare each other, because not same y scale. Combine in one figure is better.</p> <p>2. Not clear information for SEM Image, is it the same magnification between unimpregnated and impregnated adsorbent? Particle size also need include in each image.</p> <p>3. Adsorption data of time effect is a confusing. The optimum adsorption amount is around 99% on initial concentration effect and adsorbent effect, but for time effect the adsorption capacity below 98% all. How you declare what is the optimum adsorption of time effect?</p> <p>yes</p>	<p>The FTIR and XRD analysis of the Unimpregnated and impregnated were carried out at different times using different machines, so I found it difficult to combine the figures on the same y scale.</p> <p>The magnification of the SEM images of both unimpregnated and impregnated adsorbents is not the same because the analysis was carried out at different time.</p> <p>The optimum adsorption amount on effect initial concentration for Cd at 10(mg/L) is 94.6% and that of As at 5(mg/L) is 97.6%. The optimum adsorption amount on effect of contact time for Cd and As is 95.6 and 98.12% at 40min. The data are similar to data obtained on the effect of initial concentration.</p>
<p><b><u>Minor</u></b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>No</p> <p>In all figure is wrote Arsanic, it should be Arsenic</p>	<p>Corrected</p>
<p><b><u>Optional/General</u></b> comments</p>		

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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?	(If yes, Kindly please write down the ethical issues here in details)	