

## Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	Ms_IRJPAC_109145
Title of the Manuscript:	Comparative Kinetic Study of the Adsorption Capacity of Walnut shell and its biochar for Chromium Removal from Wastewater
Type of the Article	

### 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>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> <li>1. <b>Importance:</b> The authors compared the effectiveness of walnut shell and walnut shell biochar for chromium removal from wastewater using adsorption.</li> <li>2. <b>Title:</b> Preferred to be modified into: "<b>Chromium Adsorption Kinetics by Walnut Shell and biochar From Wastewater</b>"</li> <li>3. <b>Abstract:</b> Clear to a certain extent. Use the abbreviations suggested to avoid the repetition of master words. Some modifications were recommended to enhance the readability and understanding.</li> <li>4. <b>Structure of the manuscript:</b> <ol style="list-style-type: none"> <li>a. <b>The aim:</b> Not listed by the end of the introduction section.</li> <li>b. <b>Materials and methods:</b> Please notice the following:           <ol style="list-style-type: none"> <li>1. No ethical approval and considerations were provided.</li> <li>2. Add the model and manufacturer of the grinding machine and orbital shaker used.</li> <li>3. Add a reference for the solution preparation as listed (C1V1=C2V2).</li> <li>4. The authors did not provide a statistical analysis section, the software used for the statistical analysis, or the statistical model used.</li> <li>5. Some modifications were suggested to enhance the readability and understanding of the text.</li> </ol> </li> <li>c. <b>Results:</b> Novel and clear to a certain extent. Some modifications and simplification were suggested to enhance the readability and understanding of the text.</li> <li>d. <b>Discussion:</b> Clear, informative, and contribute to knowledge with moderate comparison and speculation. Some modifications were suggested to enhance the readability and understanding of the text.</li> <li>e. <b>Conclusion:</b> Clear to a greater extent..</li> <li>f. <b>Tables:</b> Well-presented and organized.</li> <li>g. <b>Figures:</b> Well-presented and organized.</li> </ol> </li> <li>5. <b>Scientific Soundness:</b> The manuscript highlighted the effectiveness and kinetics of walnut shell (WS) and walnut shell biochar (BC) for chromium removal via adsorption from wastewater.</li> <li>6. <b>References:</b> Sufficient and up to date as 86.9% (40 out of 46) of the listed references</li> </ol>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p><b>General view:</b> The manuscript was expressed using moderate English and grammar. A certain degree of copyediting and proofreading are a MUST to achieve publishing value.</p>	
<p><b>Optional/General</b> comments</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:**

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