

Review Form 3

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_128773
Title of the Manuscript:	Adsorption of the textile dye RED 6 on activated carbons derived from neem bark (<i>Azadirachta indica</i>)
Type of the Article	

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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PART 1: 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>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript addresses a critical environmental challenge by exploring the removal of textile dye RED 6 using activated carbon derived from neem bark, a locally available and sustainable biomass. The findings provide valuable insights into the optimization of adsorption parameters, including contact time, pH, and temperature, which are crucial for improving dye removal efficiency. By demonstrating the effectiveness of chemically activated carbons (CA 30 and CA 60), the study contributes to the development of cost-effective and environmentally friendly methods for treating industrial wastewater. These results have the potential to inspire further research into the use of biomass-based adsorbents for pollution control, particularly in resource-constrained settings.	
Is the title of the article suitable? (If not please suggest an alternative title)	The current title, " Adsorption of the textile dye RED 6 on activated carbons derived from neem bark (Azadirachta indica) ", is clear and descriptive.	
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.	The abstract is comprehensive but could benefit from some refinement. The introduction should highlight the environmental and health impact of dye pollution to emphasize the study's significance. The novelty of using neem bark for activated carbon production should be made more explicit. Additionally, the results section can be streamlined by focusing on key findings, such as the superior performance of CA 60 under specific conditions. Concluding remarks should emphasize the practical implications, such as the potential application of neem bark-derived activated carbons for sustainable wastewater treatment. Correcting minor errors, such as "neem back" to "neem bark," and enhancing keywords for better discoverability is also recommended.	
Is the manuscript scientifically, correct? Please write here.	The manuscript appears scientifically sound, with clear methodology and results that support the conclusions. The preparation of activated carbon using phosphoric acid, the adsorption experiments, and the analysis of parameters like pH, temperature, contact time, and adsorbent mass are well-aligned with standard adsorption studies. However, further clarity is needed regarding the reproducibility of experiments, statistical analyses, and whether the adsorption process follows specific isotherm or kinetic models (e.g., Langmuir or Freundlich). Including these details would strengthen the scientific rigor and provide a better understanding of the adsorption mechanism. Overall, the manuscript is scientifically correct but could be improved with these additional details.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references provided are relevant to the topic of adsorption and activated carbon preparation. Consider recent publications on the environmental applications of activated carbons from renewable biomass for dye removal.	
Is the language/English quality of the article suitable for scholarly communications?	The language quality of the article is generally suitable for scholarly communication; however, certain areas could benefit from refinement to enhance clarity, precision, and adherence to academic standards.	
Optional/General comments		

PART 2:

	Reviewer's comment	Author's comment <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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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