

Review Form 3

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_129711
Title of the Manuscript:	Preparation and characterization of an activated carbon based on coconut shell for the elimination of 2,4-dichlorophenoxyacetic acid in aqueous medium
Type of the Article	

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.	The objective of this work is to evaluate the capacity of activated carbon prepared from coconut shells to eliminate 2,4-dichlorophenoxyacetic acid. The characterization tests revealed that the specific surface area determined by the BET method is 570 m²/g consisting essentially of micropores. The chemical characteristics determined by the Boehm method indicate the acidic character of the carbon. The 2,4- dichlorophenoxyacetic acid adsorption tests revealed that the adsorption rate of 2,4- dichlorophenoxyacetic acid increases with increasing contact time, but decreases with increasing initial concentration. The adsorption capacity studied showed that the adsorption process of 2,4-D on activated carbon is controlled by pseudo-second order kinetics.	Pesticides are employed in agriculture in developing countries where the quality of the environment poses human and biological health problems. It is important to find alternative solutions to environmental problems. This manuscript highlights the valuation of agricultural by-products for the sustainable solution for environmental issues.
Is the title of the article suitable? (If not please suggest an alternative title)	yes	This title takes into account all aspects of the manuscript. We can improve it.
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 summary is understandable with a small improvement.
Is the manuscript scientifically, correct? Please write here.		The structure of the manuscript obeyed a scientific model.
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		References are sufficient for a good understanding of this study With some recent references.

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Is the language/English quality of the article suitable for scholarly communications?	Many grammar errors could be found in the paper, please check and deeply revise them. Also, the English language of the paper should be improved.	The quality English is not completely perfect. He will have a little improvement by taking into account grammatical errors
Optional/General comments	<p>The last paragraph of Introduction should include the study objectives/procedures in brief.</p> <p>The “Statistical analysis” section should be added to the manuscript.</p> <p>Quantitative information should be provided in the abstract.</p>	well

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>	