



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_27324
Title of the Manuscript:	Study of kinetics of chemically activated carbon produced from palm kernel shell
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:

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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)
Compulsory REVISION comments	<u>Study of kinetics of chemically activated carbon produced from palm kernel shell-Ms BJASt 27324 1</u> <u>Abstract</u> 1. Replace sorption with adsorption <u>Introduction</u> Line 22- write unit of atomic weight, Line-replace capability with potential, Line 42-where is Anambra State?. Try not to start sentences with After which or Also. <u>Material and methods</u> A lot of preparation were made and creates scepticism that the technology is not cost-effective. <u>Results and discussion</u> In the beginning its confusing because authors start with discussion whereas it has to be graphs first and discuss afterwards. Line 75-the word sorption refers to adsorption-desorption and wonder if the authors are interested in adsorption potential or it includes desorption. Line 84-table with capital T. Abbreviations in Eq. 1a not explained. where is an equation of Langmiur isotherm and what is a and b in Table	Sorption has been replaced with adsorption Line 22- the unit of atomic weight (g/mol.) has been added, Line 33- capability has been replaced with potential, Line 42- Anambra State is in Nigeria. Sentences starting with "After which" and "Also" have been modified. The preparations were simple and cost-effective and were performed in the school laboratory. We tried to keep the graphs close to their discussions. Line 75-We are interested in adsorption potential of the activated carbon.



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	1. Line 102-how does temperature increase carbon content because it is fixed from preparation stage. The authors didn't explain all the symbols in Eq. 2. What is 500 °C activated for in the legend of Figs. 6-8. Line 136-replace Reference with the name of the first author. Line 145-replace negativity with negative sign. Write the equation of enthalpy-entropy before Table 2 to show how you got there.	Abbreviations in Eq. 1a were defined in lines 198,202 and 209. a and b in Table 1 were defined in lines 196 and 197. The study was done with activated PKS carbonized at 500°C and 700°C, and with non-activated PKS carbonized 700°C. The symbols in previous Eq. 2 were defined in Lines 203, 205 & 206. The 500°C legend in Figs 6-8 is for activated PKS carbonized at 500°C. Line 142- Reference has been replaced with the first author's name. Line 151- negativity has been replaced with negative sign. The equation of enthalpy-entropy has been included.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments	Although the methodological approach is used by a lot of researchers, the technical aspect is interesting	We appreciate the reviewer's contributions.