



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2015_BJAST_17834
Title of the Manuscript:	MEASUREMENT OF THERMAL CONDUCTIVITY AND SPECIFIC HEAT CAPACITY OF THREE MAJOR GEOMORPHOLOGICAL UNITS IN AKWA IBOM STATE, NIGERIA.
Type of the 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	1. Please check units, jkg⁻¹ k⁻¹ (X), J/kg K (O). Temperature should be capital letter. And unit format must be checked. 2. Please rearrange equation and units. 3. At Table 2 , wrong characters? <table><tr><td>$\frac{M}{m_1 \text{ ion}}$</td><td>$\frac{ST_1}{\text{Kcal}}$</td><td>$\frac{ST_2}{\text{Kcal}}$</td></tr><tr><td>$\frac{0.1\text{g}}{29.0}$</td><td>$\frac{0.2\text{g}}{98.5}$</td><td>$\frac{0.3\text{g}}{69.58}$</td></tr></table> 4. At Table 4 , wrong characters? <table><tr><td></td><td>$\frac{d}{\text{Kcal}}$</td><td>$d = C_R - \frac{m}{\text{Kcal}}$</td><td>$d^2$</td></tr><tr><td>0</td><td>3.00</td><td>-1.00</td><td>1.00</td></tr><tr><td>0</td><td>6.00</td><td>-5.00</td><td>25.00</td></tr></table> 5. You don't need Fig. 2 and 3, because results are already presented at Table 3. 6. Your research goal is not clearly defined and analyzed. Actually I could not catch What your experimental results with three different specimens is for? 7. Please define your goal. -What are main differences of soil specimens? -What you want to do with these measurements? -Can you compare and analyze your results between experiment and calculation.?	$\frac{M}{m_1 \text{ ion}}$	$\frac{ST_1}{\text{Kcal}}$	$\frac{ST_2}{\text{Kcal}}$	$\frac{0.1\text{g}}{29.0}$	$\frac{0.2\text{g}}{98.5}$	$\frac{0.3\text{g}}{69.58}$		$\frac{d}{\text{Kcal}}$	$d = C_R - \frac{m}{\text{Kcal}}$	d^2	0	3.00	-1.00	1.00	0	6.00	-5.00	25.00	1. The units been corrected in line 10. 2. Equation (1) has been redefined. 3. Table 2 is correct, Mc is constant for the samples, Θ_1 The initial temperature of the mixture was taken as θ_1; and it was same for all sample in our laboratory. Θ_2 is the final temperature of the boiling water was taken as θ_2, which was the same. Θ_3 has been corrected as: $\Theta_2 - \Theta_1 = \Theta_3$. That is from the theory. 4. Table 4 is vey correct. From your elementary statistics / mathematics (Pearson's correlation) ; $C_R - K_R$ are correlation coefficient. And the ranking were used for the results. 5. Fig 2 and 3 should be they because it give a clearer definition of the results. 6. Comment Not relevance. It depend on your understanding of Geomorphological units OR landforms. 7. Comment Not relevance.
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	-Your results are lack to explain your research. -Please do not repeat figures with same data presented in Tables. 8. Fig. 1 should be clearly redrawn based on your experimental setup.	8. You can re-adjust the diagram. It is based on the set up, so should be the: NOTE: <u>steam inlet</u> NOT outlet because the steam enter setup from heat source.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		