



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2014_BJAST_12742
Title of the Manuscript:	Valorization of Cocoa shells (Theobroma cacao) for the production of Activated Carbon by Chemical Activation using H ₃ PO ₄ and KOH: Kinetic and Equilibrium Studies of Cu(II) ions Adsorption from Aqueous Solutions
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:

(<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)
<u>Compulsory</u> REVISION comments	Remarks about the paper entitled “Valorization of Cocoa shells (<i>Theobroma cacao</i>) for the production of Activated Carbon by Chemical Activation using H₃PO₄ and KOH: Kinetic and Equilibrium Studies of Cu(II) ions Adsorption from Aqueous Solutions”. 1- This work is not original research and we don't need to produce activated carbon to remove copper from contaminated water 2- More cheaper if you use Cocoa shells as fibers without any treatment to clean contaminated water and more efficient 3- Line 22 (methodology)	1- Commercial activated carbon is very expensive for the developing country like ours, so need for the production of low cost AC 2-More cheaper but not effective 3-Corrected: All the carbons



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	In the methodology we don't see which compound you use to clean water .Which carbon you talk about ?how you get this carbon 4-why use analyze at 830 nm and you analyze what 5-Bibliographic study is not very well because a lot of recent works investigated the biomass modified fibers low cost and more efficient than your cocoa treated by phosphoric acid and KOH 6-line 126 : Carbonization was carried-out for one hour duration in a carbolite furnace under inert atmosphere: what was the inert atmosphere ? In conclusion: It is better if they use the natural fibers of cocoa to clean water contaminated by heavy metals.	4-Corrected: 5-Added 6-Corrected: Carbonization was carried out in the absent of oxygen
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		