



SDI Review Form 1.6

PART 1:

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	2013 BJAST 4384
Title of the Manuscript:	Removal of Pb(II) ions from Aqueous Solutions by Kaolinite and Metakaolinite materials
Type of the Article	FULL LENGTH ARTICLE

General guideline for Peer Review process is available in this link:

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

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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	Elovich equation give its values at different concentrations particularly sorption and desorption in the form of alpha and beta values. Equation format not upto mark , all equations to be presented neatly and as per journal specifications. Results and discussions are very short please elobrate as extensive data is generated but discussions have not been done. Why only Langmuir is better than Freundlich? Give reasons In Pseudo first order and second order also calculate experimental and theoretical values of sorption coefficient and then compare and comment. For a heterogenous material surface complexation, ionexchange, precipitation and encapsulation are the processes of sorption. The authors should justify their results with these also. Only one sentence in the conclusion about soil and activated carbon is given	Corrected corrected corrected The significant difference of R values gave a concluding statement. When these values are some what closer , further confirmations are required Given that the values of B_T are all less than 8 kJ/mol, the interaction between adsorbents and adsorbate (Pb(II) ions) are weak and therefore the adsorption mechanism put into play here is merely that of ion exchange. corrected
<u>Minor</u> REVISION comments	Minor spelling and grammatical mistakes to be corrected.	



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<u>Optional/General</u> comments	The paper is good barring minor corrections	
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