



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.



SDI Review Form 1.6

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	The manuscript described the sorption of Pb on kaolinite and metakaolinite by using batch technique under different experimental conditions. After careful reading the manuscript, I think it can be accepted for publication after major revision. Special comments: 1. The English should be improved. 2. In the discussion section, I found that more detailed discussion is necessary 3. IN the introduction section, the sorption of Pb on other materials should be described rather than other published papers which are not Pb sorption. 4. In the discussion section, I found that more detailed discussion is necessary 5. The sorption of Pb on many kinds of materials showed that the sorption of Pb is strongly pH-dependent, in this manuscript, I found that it is independent of pH, why ? The following papers described the sorption of Pb on different materials. I suggest the authors to compare them in a Table to compare the sorption capacity. Also these papers are helpful for the authors to improve the quality of this manuscript.	Corrected Corrected Yes: It is judicious to present the effect of heavy metal on human, plant and animal. Lead being one of these heavy metals, some references have been added which describe the adsorption of lead. Corrected From figure 6, it is seen that the adsorption of lead ions depends slightly on <i>pH</i> of the solution with maximum adsorption at <i>pH</i> = 5.5. This is why pH of 5.5 was chosen for adsorption



SDI Review Form 1.6

	Such as Sheng et al, Colloid Surface A. 2009, 339, 159-166; Hu et al, J. Phys. Chem. B 2010, 114, 6779-6785; Yang et al, Environmental Science & Technology. 2011, 45(8), 3621-3627; Zhao et al, Dalton Transactions, 2011, 40, 10945-40952; Yang et al, Chemical Engineering Journal. 2011, 168, 86-93; Li et al, Chemical Engineering Journal. 2011, 166, 551-558.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		