

## Review Form 1.6

Journal Name:	<a href="#">Current Journal of Applied Science and Technology</a>
Manuscript Number:	Ms_CJAST_73206
Title of the Manuscript:	ADSORPTION STUDY OF DUMPSITE LEACHATE TREATMENT USING AGRICULTURAL WASTE AS BIOSORBENT
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://peerreviewcentral.com/page/manuscript-withdrawal-policy>)

## Review Form 1.6

### 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)
<b>Compulsory</b> REVISION comments	<p>I suggest a spelling check and technical writing for the subject covered in the article.</p> <p><b>Introduction</b></p> <p>1. When precipitation falls on wastes within the dumpsite or landfill site, it dissolves the soluble components of the wastes to form leachate. Change for dissolves.</p> <p>2. In the second paragraph in the sentence: Bioremediation is one way of treating leachate. It is a mean of destroying or rendering harmless various pollutants using natural biological activity. Change for various</p> <p>3. In the second and third paragraph, if you write pseudo.</p> <p>4. Observe the spelling of <i>Musa sapientum</i> that elsewhere in the text is written with a spelling error.</p> <p>5. Fig.1 observe writing errors Fig. 1. Scanning electron microscope of <i>Musa sapientum</i> peel surface What is the contribution of the SEM image? It only shows but does not describe relevance.</p> <p>6. I suggest emphasizing the importance of removing total dissolved solids.</p> <p><b>2. METHODOLOGY</b></p> <p><b>2.1 Preparation of Adsorbent</b></p> <p>7. Which carbonization temperature?</p> <p><b>2.2 Batch Adsorption</b></p> <p>I consider it important to carry out a zero charge point (PCZ) study, since the pH of the water used has a neutral pH. it is known that TDS adsorption is influenced by pH. Depending on the pH in PCZ the adsorption may be favorable or not..</p> <p>8. The ideal is to perform a FTIR analysis to see the functional groups arising from the activation, in order to verify the effective activation of banana peel</p> <p><b>3. RESULTS AND DISCUSSION</b></p> <p>9. observe writing errors: Hall <i>et al.</i> (1966) and Malik (2004) described the important characteristics of Langmuir isotherm using [...]. [...] when linearized yields Equation (14).</p> <p>10. Fig.3, Fig.5 and Fig. 7. Properly place the mathematical resources on the axes of the graphics.</p> <p><b>4. CONCLUSION</b></p> <p>11. Results are not necessary in this part of the work, only conclusions and much less discussing the results.</p>	
<b>Minor</b> REVISION comments	<p>12. If it is possible to update the references, especially considering the last 5 years</p> <p>13. make a formatting check and add space between figure title and paragraph text</p> <p>14. If possible, reorganize the figures to be closer to the first quote and also to its discourse</p>	
<b>Optional/General</b> comments	<p>Dear authors, the work is not new, but it presents very consistent data and is very well described. And also the issue of remediation of pollution resulting from the disposal of leachate from landfills in water bodies or even the existence of landfills is a matter of paramount importance for public health and for the environment.</p>	

### PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Review Form 1.6**

**Reviewer Details:**

Name:	<b>Josiane Pinheiro</b>
Department, University & Country	<b>Federal University of Pelotas, Brazil</b>