



SDI Review Form 1.6

Journal Name:	<a href="#">Current Journal of Applied Science and Technology</a>
Manuscript Number:	<b>Ms_CJAST_49450</b>
Title of the Manuscript:	<b>Application of Moringa in the Removal of Salts from the Desalinator Reject</b>
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)
<b>Compulsory</b> REVISION comments	<p>1. In Abstract, the authors have mentioned that “seeds with crushed or ground Monringa husk are equally effective at adsorbing sodium from...”. But the fact is that in case of sodium, adsorption was found to be 98.7% while for Ca, Mg and Cl, adsorption was 11%, 1.7% and 1.8%, respectively. How were Ca, Mg and Cl adsorption effective?</p> <p>2. Abbreviations were written as CCI for whole seeds with husk, CCT for crushed seeds with husk and so on. The abbreviations are not in line with the elaborated form. It is difficult for the readers to understand such abbreviations. If possible, authors may change the abbreviations.</p> <p>3. It is not clear whether or not all the adsorbents were prepared with 14 mesh. The particle size of the adsorbents should be well defined.</p> <p>4. In page 3 (Result and discussion), authors have written the following sentence: “It was observed that the contact tie did not significantly modify the pH in the samples tested, but, specifically...”. It is not clear that what sort of modification of pH is necessary.</p> <p>5. Style of referencing in the text is not right in some cases. For example in page 5 the authors wrote “Research carried out by [7] showed...” Or “According to [8], in a comparison...”. In such cases, authors should check the referencing style of the manuscript and should write accordingly.</p> <p>6. Fig. 3 shows that husk of Moringa plays a crucial role because adsorbents prepared with husk are seemingly ineffective for adsorption of Na. Authors have not explained why husk plays such an important role for adsorption.</p> <p>7. All the experiments have been carried out for 30, 60, 120 and 180 min only. Did this time facilitate a complete adsorption? If complete adsorption was done, the proof of complete adsorption should be mentioned in the manuscript.</p> <p>8. In all figures and table, authors have used “comma”. Does it mean a “decimal”? If so, decimal should be written everywhere instead of comma.</p> <p>9. All figures are not of same size and shape. For example, Fig. 6 and 7 are small while Fig. 4, 5 are larger. Figures should be consistent throughout the manuscript.</p>	<p>1. Even in a different percentage the reduction occurred. Therefore, adsorption by moringa is happening according to the specificity of each element.</p> <p>2. The authors continue with the abbreviations of the treatments, initially stipulated, respecting the suggestion of this consultant. It implies an alteration of the contents, figures and tables whose modifications would not add benefits to the article, since, to date, there were no doubts about these abbreviations.</p> <p>3. Then one part of the seeds was crushed, and the other part was ground and both passed into a 14 mesh sieve (4.76mm),</p> <p>4. Knowing that the zero load point (PCZ) of Moringa oleifera is between 7 and 8 and the pH of the experiment ranged from 5.1 to 7.6, a percentage variation was observed in the removal of the determined elements: cation adsorption favored at pH above the PCZ as adsorption of anions favored at pH below the PCZ.</p> <p>5. OK. The text was drafted according to articles already published by the Journal.</p> <p>6. This sodium behavior can be attributed to the available Exchange sites present in the Moringa bark for the adsorption occurrence.</p> <p>7. As demonstrated by the results, most of the elements determined presented adsorption up to 60 minutes of contact of the Moringa with the Reject. New experiments are being conducted to optimize time, and subsequently will be disclosed.</p> <p>8. Ok</p> <p>9. Ok.</p> <p>Accepted and corrected suggestions. After griffled in Yellow in the text. Ms_CJAST_49450.docx</p>
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		

**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?	(If yes, Kindly please write down the ethical issues here in details)	There are no.