



SDI Review Form 1.6

PART 1:

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	MS: 2013_BJAST_3369
Title of the Manuscript:	Assessment of the Levels of Some Heavy Metals Content in the Glass Sand Deposit in Kazaure, Nigeria.

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 9 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 <i>(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)</i>
<u>Compulsory</u> REVISION comments	The author should note the following: All sites must be geo-referenced. Instead of stainless steel in for sampling, calibrated soil auger is the most appropriate. In results and discussion; I do not agree with fact that pH is the only factor that allows for bioaccumulation of heavy metals by plant. There are other factors like CEC(cation exchange capacity), organic matter, NPK content, etc. It is better you report your results in mg/kg. Your discussion should be focussed on the environmental impact of mining not on the quality of glass. The high level of zinc could not have been attributed to vehicular emissions since you did not determine levels of zinc on plants that naturally grow on these mining sites. Try and recast that statement. Table 1; std in soil should be changed to reference values.	Noted and corrected Soil auger is appropriate but we used stainless steel sampler which is also allowed and we avoided galvanized, bronze or brass sampler to avoid contamination. However, soil auger will be used in future research. pH is not the only factor but availability of heavy metals is greatly affected by soil pH, and the present work is part of an ongoing research and we hope to investigate other parameters in the next phase of the study. Results are now presented in mg/kg Statement is reframed as suggested Changes effected in the text and Table 1



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<u>Minor</u> REVISION comments	No minor revision, except for cases of grammatical errors.	
<u>Optional/General</u> comments	The manuscript should be accepted for publication after minor revisions. It is however recommended that for future studies plant/ fauna that grow in the environment could be used for pollutional studies as this study is not conclusive.	Your suggestion is noted and as work is still ongoing we will look at other important aspects of pollution in details.