



SDI Review Form 1.6

Journal Name:	American Chemical Science Journal
Manuscript Number:	2015_ACSj_16268
Title of the Manuscript:	Phytoremediation Potentials of Common Nigerian weeds for the purpose of cleaning up a Lead-zinc Derelict Mine
Type of the Article	Original research 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)
<u>Compulsory</u> REVISION comments	SAME AS BELOW AUTHOR SHOULD GIVE THOROUGH PROOF READING TO THE PAPER AND SEND TO ME ONCE FOR A BRIEF REVIEW.OK	I have thoroughly proofread the paper again
<u>Minor</u> REVISION comments	ADD TAKE HOME MESSAGAE AT THE END OF ABSTRACT. ADD 2 SENTENCES RELATED TO OBJECTIVES OF STUDY AT THE END OF INTRODUCTION..BRIEFLY FURTHER EXPLAIN THE METHOD OF METALS DETERMINATION SO THAT ONE CAN REPEAT SIMILAR WORK.SHOULD BE SIMPLE EXPLANATION.OTHERWISE PAPER IS OK.	I have added the statement " <i>Pollution Indices of metals in the studied soil sample in addition to the Bioaccumulation Factors and Translocation Factors of the studied weeds are important parameters to evaluate plants phytoremediation potentials.</i> " At the end of the abstract The statement at the end of introduction " <i>from the data, evaluate their Bioaccumulation Factor (BAF) and Translocation Factor (TF) which suggest their phytoremediation potential.</i> " further buttresses the objective of this work Metal determination was done with XRF and in simplest form, it involves using A voltage of 25KV and current of 50μA produced from X-ray tube was used to bombard the sample in XRF system for 18 minutes at 1000 counts. Si-Li detector was used to detect the characteristic X-ray of the metals and their corresponding concentrations were



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		computed in the read out device as described in the paper'
<u>Optional/General</u> comments	PAPER IS NOVEL,WELL WRITTEN,NEED NEW REFERENCES.SOME REFERENCES OF RELATED NATURE I HAVE ADDED IN THE PAPER AND HAVE PASTED FULL REFERENCES AT THE END.AUTHOR SHOULD FORMATE THOSE REFERENCES AS PER FORMATE OF THE PAPER AND THEN ONLY LET ME CHECK ONCE AFTER FORMATING.	I acknowledged the reviewers extra assistance by providing more references. However only 3 were relevant to the work which I have added and they are: Khan, Z. I., A. Hussain, M. Ashraf, M. Y. Ashraf, E. E. Valeem and M. S. Akhtar. (2004). Seasonal variation in soil and forage mineral concentrations in a semiarid region of Pakistan. <i>Pakistan Journal of Botany</i>, 36(3): 635-640. Khan, Z. I., A. Hussain, M. Ashraf and L. R. McDowell. (2006). Mineral Status of Soil and Forages in South Western Punjab, Pakistan. <i>Asian-Australian Journal of Animal Sciences</i>, 19(8): 1139-1147. Khan, Z.I., Z. Bibi, K. Ahmad, M. Ashraf, N. A. Akram and F. Arshad. (2013). Assessment of Metals and Metalloids Accumulation in Wastewater Irrigated Soil and Uptake by Pumpkin (<i>Cucurbita maxima</i>) at Sargodha, Pakistan. <i>Asian Journal of Chemistry</i>, 25:9712-9716.