



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2014_BJAST_9363
Title of the Manuscript:	Comparative chelate-assisted phytoextraction of heavy metals by <i>Jatropha curcas</i> , <i>Jatropha gossypifolia</i> and <i>Jatropha multifida</i> cultivated on soil collected from selected dumpsites located in Ekiti State, South Western, Nigeria
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)
<u>Compulsory</u> REVISION comments	The sequential extraction procedure is a chemical one and particle size results were cited in the abstract and Discussion but it has not been mention in the Material and Methods session. One of the more important subjects on Material and Methods is the EDTA addition, which was not described at all, just cited on a reference. It should be at lit breafly described in the manuscript. No comments were provided on the EDTA amount used. Extensive data has been presented on the sequential extraction procedure, both chemical and physical. Is it all necessary for conclusions?It should be further discussed on a chemical basis concerning the organic matter and clay content of soil and the contamination history The plant absorption results in the abstract are whole plant or which plant part? On plant cultivation: where the seed are from? How may seed were sown? How may plants were kept per pot until teh end of the experiment? How and when was the water added? How (constituents, quantity) and how frequently was the fertilization applied? How many repetitions of each treatment where used?	Particulate size determination has been included in material and methods Amount of EDTA used has been added to materials and methods Discussed whole The seed was obtained from plant science department herbarium of Ekiti State University. Two seed were grown per pot. Three repetitions were used, watering was done daily.
<u>Minor</u> REVISION comments		



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<u>Optional/General</u> comments	There are issues on the grammar and there is a lot of information is missing on the Material and Methods that should be better described in order to enable a complete and conclusive discussion of the results. . The quality of figures is very poor and itself are not clear enough in order to enable the understanding of were the samples were collect. In the introductions no information about the historic, importance or source of contamination in the sampled areas was provided. The soil characterization prior to the study was very poor, no texture was informed nor clay content or soil type information was presented. Also the heavy metals semi-total or total concentration must be presented at that point.	
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