



SDI Review Form 1.6

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	2013_BJAST_5733
Title of the Manuscript:	Markers of Environmental Health: Nickel and Chromium Levels in Soil and Vegetation around a Steel Recycling Facility in Southwest Nigeria
Type of the Article	Research Paper

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)
Compulsory REVISION comments	Line 16: Check the units of density please Line 17: Replace "Nickel-Cadmium" with "nickel-cadmium" Line 34: Replace "contain" with "contained" Line 46: It would be a good idea to review at least a few similar studies carried out recently in the region where the study area is located (e.g. Nigeria) before stating the specific objective(s) of the present study. Line 53: With the aid a map, provide a brief description of the study area (location) and sampling sites/points. Line 80: Correct title of section 2.3 to read "Plant sampling and analysis" Line 81: Author should include a basis for choosing this particular plant "<i>Chromolaena odorata</i>" and also an idea of its common name. Is it a tree, shrub, grass, etc? Why were only the leaves sampled? Line 88: Replace "becomes" with "became" Line 71: What is "mls"? IMPORTANT! All methods should be referenced as appropriate, whether standard or not. How many replicate determinations of each parameter were performed? Line 90: Replace "Chromium (Cr) and Nickel (Ni) using the Atomic Absorption Spectrophotometer" with "Cr and Ni using the atomic absorption spectrophotometer" Line 95: Include the statistical tool of analysis (package) used here and indicate the level of significance chosen. Line 99-101: Delete entire portion. Line 106: Provide at least a reference to support the	Line 16: corrected Line 17: corrected Line 34: corrected Line 46: A statement has been included to address the suggestion. Line 53: A schematic map of the study area has been included. Line 80: Corrected as suggested. Line 81: Some details on the plant have been included. Line 88: corrected Line 71: millilitre (ml) was intended. Corrected. IMPORTANT: The methods have been referenced. The parameters were analyzed in duplicates and indicated in Section 2.1. Line 90: corrected Line 95: Included. Line 99-101: Deleted Line 106: Reference has been included.



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	statement "This is typical of most African soils" Line 109: Correct "[12, 13, 14, 15]" to read "[12 – 15]" Line 110: Replace "some crumbs" to read "crumbs" Line 112: Replace "Phosphorus" with "phosphorus" Line 115: Provide the level of significance after "marked significant" Line 119-120: Huang et al., 2009 is not consistent with numbering style of reference used in this ms. Line 127-131: Provide an idea of precision along with mean values recorded (e.g. mean measurement $\pm$ standard deviation) in tables 1 and 2. Line 136: Author should be consistent. Use symbols for Ni and Cr except perhaps when opening a sentence. Line 139: Author should check accuracy of reference 16 and 17 and correct "These confirmed the observations of [16,17]" to read "These confirmed the observations of Cartwright et al [16] and Al-Khashman and Shawabkeh [17]"	Line 109: corrected Line 110: corrected Line 112: Comment corrected Line 115: Appropriate correction has been effected Line 119-120: corrected Line 127 – 131: The standard deviations of the soil parameters have been included. Line 136: corrected Line 139: confirmed and corrected.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		