

Review Form 1.6

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_77605
Title of the Manuscript:	DETERMINATION OF HEAVY METALS (LEAD, ZINC, NICKEL AND CADMIUM) IN SOIL AROUND AMASOMA COMMUNITY IN BAYELSA STATE, NIGERIA.
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://peerreviewcentral.com/page/manuscript-withdrawal-policy>

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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)
<p>Compulsory REVISION comments</p>	<p>p. 1. „Aims: This study investigated the level of zinc, nickel, lead and cadmium in the soil extracted from the area where Scent Leaf (<i>Ocimum gratissimum</i>) and Pawpaw tree (<i>Carica papaya</i>) are grown in Amassoma community, Bayelsa State, Nigeria.” - Please clearly define the purpose of the research. Why was research conducted in these places? Why were these metals measured? Is there a suspicion of soil contamination in the area?</p> <p>p. 1. „the level of zinc....” - I propose the term "the concentration of zinc...."</p> <p>FIG. 1 - Please improve the quality of figure 1 - add sampling sites, scale and explanations.</p> <p>p. 5. “Beakers and flasks, Solar thermo elemental atomic absorption spectrophotometer (Flame AAS), Burner, Hollow cathode lamps, Graphical display and recorder, Pipette (micro liter with disposal tips), Pressure reducing valves, Glassware, Volumetric flask of suitable precision and accuracy.” - please describe why the above elements are listed</p> <p>p. 5. “Air, Acetylene, Metal free water, Stock metal solution, Potassium chloride solution, Aluminium nitrate solution, Hydrogen tetraoxosulphate (vi) acid (H₂SO₄), Trioxonitrate (v) acid (HNO₃), Perchloric acid (HClO₄).” - please describe why the above elements are listed</p> <p>p. 5. “2.5 STATISTICAL ANALYSIS” - write how many samples there were. Provide also the number of samples in tables 1-4.</p> <p>p. 6. “...(Pb) contents in pawpaw soil and scent leaf soil were 1.283 mg/kg and 1.44 mg/kg respectively” and “...contents in pawpaw soil and scent leaf soil were 1.283 mg/kg and 1.437 mg/kg,” - use the same values (1.44 or 1.437).</p> <p>Please, correct the language throughout the manuscript, for example "These 44 shows that...." doesn't sound right.</p> <p>[3] Zhang, Q., Shi, X., Huang, B., Yu, D., Oborn, I., Blombäck, K., Wang, H., Pagella, T.F., Sinclair, F.L., 2007. Surface water quality of factory-based and vegetable-based peri-urban areas in the Yangtze River Delta region, China. Catena 69 (1), 57e64. - Please correct in the places highlighted</p>	
<p>Minor REVISION comments</p>		
<p>Optional/General comments</p>		

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PART 2:

	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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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