



**SDI Review Form 1.6**

Journal Name:	<a href="#">Annual Research &amp; Review in Biology</a>
Manuscript Number:	Ms_ARRB_48336
Title of the Manuscript:	DISTRIBUTION AND HEALTH RISK ASSESSMENT OF CHROMIUM, MANGANESE AND ARSENIC VIA INGESTION FOODS FROM INDUSTRIALISED LOCATIONS IN THE SOUTH EASTERN STATES OF 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**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Compulsory</b> REVISION comments	<p>There are plenty of grammatical and technical errors (missing spaces, extra spaces, capital letters where they are not needed, unequal citation of references through the manuscript, unequal display of measurement units...) which must be corrected. Also, a moderate editing of English language is required.</p> <p>The detail comments are given directly in the manuscript.</p>	
<b>Minor</b> REVISION comments	<p>The tables are very confusing; due to the lot of numbers it is hard to see the main data. It can easily be improved. Suggestion is given in the manuscript.</p>	
<b>Optional/General</b> comments	<p>The manuscript deals with the health risk associated with Cr, Mn and As through consumption of several food crops in six selected industrialized areas located in the South Eastern states of Nigeria, through determining the quantity of those heavy metals in food crops as well as in the soil samples.</p> <p>The contamination of the environment (air, soil, water) with heavy metals is very important issue and represents a major problem all over the world.</p> <p>This investigation thus is valuable and could lead to better control of the disposal of industrial waste and thereby contributing to the protection of the environment and human health.</p> <p>But there are some issues which can be better discussed and parts of the manuscript which can be improved.</p> <ul style="list-style-type: none"> <li>➤ What is most lacking is a deeper discussion about obtained results, of possible causes, especially for so high amounts of Cr in most examined food crops and soil samples.</li> <li>➤ What about the irrigation sources? Did Authors have information about the content of heavy metals in water for irrigation of examined food crops? Its pH?</li> <li>➤ Or, what about the air quality at chosen industrial locations?</li> <li>➤ What about the type of the soil examined and content of the soils since it may also affect the mobility and behaviour of heavy metals?</li> <li>➤ I don't see that Authors examined the pH of the soil samples which were investigated and I am wondering why, since pH is very important factor which affects the mobility of the metals in the soil. It could help in explaining of the metal content both in soil and food crops.</li> <li>➤ Based on obtained results, what are the suggestions for reducing or maybe preventing the appearance of heavy metals in food crops at examined sites?</li> </ul>	



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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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