

## Review Form 1.6

Journal Name:	<a href="#">Asian Journal of Applied Chemistry Research</a>
Manuscript Number:	Ms_AJACR_90014
Title of the Manuscript:	HEAVY METALS AND HEALTH RISK BURDEN, HOW SAFE IS THE CONSUMER POPULATION?: A STUDY ON THE HEAVY METAL CONTENT OF SOYBEANS CULTIVATED IN KATSINA STATE, NORTH WEST 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:

(<https://www.journalajacr.com/index.php/AJACR/editorial-policy> )

## Review Form 1.6

### 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)
<b>Compulsory</b> REVISION comments	<p><b>Originality:</b> The manuscript presents a case study, dealing with the assessment of heavy metal content of Soybeans cultivated in Katsina state, north west Nigeria. Thus, the topic is mainly of local interest.</p> <p><b>Structure:</b> The manuscript contains all the key elements: title, abstract, introduction, results and discussions, conclusions, experimental section and references but it need major revision to address following issues:-</p> <ol style="list-style-type: none"> <li><b>1. Introduction.</b> This part of manuscript should be more logical and comprehensive. It should include literature about previous studies conducted on Soybean in Nigeria and other parts of the world. In addition, it should also include literature about heavy metals content and health risk studies on various other food items being consumed by the population. It should address the very basic question, why this study was conducted ?</li> <li><b>2. Material and Methods.</b> <ol style="list-style-type: none"> <li><b>2.1 Study Area.</b> A description of the sampling area and sampling locations should be inserted.</li> <li><b>2.2 Sampling.</b> Location of sampling sites on the map is necessary when to evaluate the heavy metal content in an area.</li> <li><b>2.3 Sample Preparation and Heavy Metal Determination.</b> Standard methods references should be given in this section for validity of the reported results.</li> <li><b>2.5 Heavy Metal Risk Assessment.</b> The equation inserted in the text for assessment of daily intake of metals, target hazard quotient and hazard index should be numbered and written using an Equation Editor (not included as images or text). Same is the issue with all other equations.</li> </ol> </li> <li><b>3. Result and Discussion.</b> Subheadings for results and discussions should be numbered. Graphical presentation of few results instead of too many tables will be value addition. This section needs overall proof reading and formatting.  Statement of conflict of interest / competing interest is not given by the authors</li> </ol>	<p>Thank you for the valuable contribution</p> <p>1 The written introduction has satisfied the basic elements that make up the component of an introduction i.e.</p> <ul style="list-style-type: none"> <li>- Background of the problem (1<sup>st</sup> paragraph)</li> <li>- Statement of the problem (2<sup>nd</sup> paragraph)</li> <li>- Justification for conducting the research (3<sup>rd</sup> paragraph)</li> <li>- Objectives (4<sup>th</sup> paragraph)</li> <li>- The text has been enriched with more recent literature about heavy metals in Soybeans</li> </ul> <p>2.1 A description of the sampling and sampling locations added 2.2 A map with sampling locations has been added 2.3 Standard method reference given 2.4 Equations have been numbered and rewritten using Equation Editor 3 Subheadings have been numbered, graphs introduced result proof read and formatted. 4 Statement of conflict of interest given</p>
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		

### PART 2:

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