

Review Form 1.7

Journal Name:	Asian Journal of Applied Chemistry Research
Manuscript Number:	Ms_AJACR_117056
Title of the Manuscript:	ASSESSMENT OF ORGANOCHLORINE PESTICIDE RESIDUE LEVELS IN VEGETABLES SOLD IN FEDERAL CAPITAL TERRITORY (FCT), 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:

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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> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. Importance for Scientific Community: This manuscript holds significant importance for the scientific community, particularly in the fields of environmental science, food safety, and public health. By evaluating organochlorine pesticide residue levels in vegetables sold in the Federal Capital Territory, Abuja, it addresses critical concerns regarding pesticide contamination in food products. The findings provide valuable insights into potential health risks associated with pesticide exposure and underscore the need for enhanced regulation and monitoring of pesticide use in agricultural practices. 2. Suitability of Title: The title "Evaluation of Organochlorine Pesticide Residue Levels in Vegetables Sold in Federal Capital Territory, Abuja" aptly reflects the content and scope of the manuscript. It accurately conveys the primary focus of the study, making it suitable for readers interested in pesticide residue analysis and food safety in the specified geographic region. 3. Comprehensiveness of the Abstract: The abstract provides a comprehensive overview of the study objectives, methodology, key findings, and implications. It effectively summarizes the research process, results, and conclusions, enabling readers to grasp the significance of the study at a glance. However, it could be further enhanced by including specific numerical values for the hazard index (HI) and cancer risk analysis to provide a more precise understanding of the results. 4. Appropriateness of Subsections and Structure: The manuscript follows a logical structure with clearly defined subsections, including Introduction, Materials and Methods, Results and Discussion, and Conclusion. Each section addresses specific aspects of the research process cohesively, facilitating readability and comprehension. However, it would be beneficial to include subsections within the Results and Discussion section to organize the presentation of analytical results and corresponding interpretations systematically. 5. Scientific Correctness: Overall, the manuscript appears scientifically sound, with detailed descriptions of the study area, sample preparation, analytical techniques, and data analysis methods. The inclusion of quality control measures, such as blank determinations and percentage recovery calculations, enhances the reliability of the results. However, it would be advantageous to provide additional information on the validation of analytical methods and potential sources of uncertainty to ensure transparency and rigor in the research approach. 6. Sufficiency and Recency of References: The manuscript includes relevant references to support the study rationale, methodology, and interpretation of results. While the references cited appear sufficient to contextualize the research within the existing literature, it would be beneficial to include more recent publications, particularly those addressing advancements in pesticide analysis techniques, regulatory frameworks, and health risk assessment methodologies. Additionally, incorporating references from diverse geographical regions could provide a broader perspective on pesticide residue monitoring and management practices worldwide. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<ol style="list-style-type: none"> 1. Abstract: Consider providing specific numerical values for the hazard index (HI) and cancer risk analysis in the abstract to enhance clarity and precision. 	

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	<p>2. Subsection Organization: Within the Results and Discussion section, consider subdividing the content into smaller subsections to improve readability and facilitate navigation for readers.</p> <p>3. Validation of Analytical Methods: Provide information on the validation of analytical methods used in pesticide residue analysis to ensure transparency and reliability of results. Including details on method validation parameters such as accuracy, precision, and detection limits would strengthen the scientific validity of the study.</p> <p>4. Sources of Uncertainty: Discuss potential sources of uncertainty in the research methodology or data analysis process to acknowledge and address limitations in the study. This could include factors such as sample variability, measurement errors, or assumptions made during risk assessment calculations.</p> <p>5. Inclusion of Recent References: While the manuscript references relevant literature, consider incorporating more recent publications to reflect the latest developments in pesticide analysis techniques, regulatory guidelines, and health risk assessment methodologies. This will ensure the research remains current and aligned with the most up-to-date knowledge in the field.</p> <p>6. Enhancing Abstract: Expand the abstract slightly to provide a concise overview of the key findings and implications of the study. This will help readers quickly grasp the significance of the research and its potential contributions to the field of food safety and environmental health.</p>	
<p>Optional/General comments</p>	<p>NONE</p>	

PART 2:

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

Reviewer Details:

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