

Review Form 1.6

Journal Name:	Asian Research Journal of Agriculture
Manuscript Number:	Ms_ARJA_79995
Title of the Manuscript:	ASSESSMENT OF QUALITY OF WASTEWATER BEING USED IN IRRIGATING SOILS UNDER URBAN AGRICULTURE IN ZARIA URBAN AREA
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:

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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>1. In the "Materials and Method" section:</p> <ul style="list-style-type: none"> - Reconnaissance Survey: The Authors should cite for the mentioned study or brief describe the referenced results for the current research. - Field Methods: The Authors should provide a map of area in which these selected locations as well as their flow-stream relations can be visualized. - Selection of Sampling Sites: The Authors should specify the specific method or technique for "...ensure effective coverage of all the various segments..." (page 4). - Statistical Analyses: The Authors should describe more details about the statistics method such as: Null Hypothesis (H_0), Alternative Hypothesis (H), significant level (0.01 or 0.05...), One-way or Two-way... ANOVA. <p>2. In the "Results and Discussion" section:</p> <p>Table 1:</p> <p>In the One-way ANOVA analysis, the Calculated F-value should have only one value for testing the proposed Hypothesis by comparing with the critical F-value $F(k-1; n-k; \alpha)$, where $(k-1)$ is degree of freedom of the variance in the numerator and; $n-k$ is degree of freedom of the variance in the denominator with significance level α. Therefore, the Authors should explain more details for these values.</p> <p>Table 2:</p> <p>The values of "Coefficient of Variation column" may be incorrect when applying Descriptive Statistics with Data input from Table 1. The Authors should re-check the calculation carefully.</p> <p>Figure 1:</p> <p>The Mean Concentration should be plotted with standard Deviation (SD) as error bars.</p> <p>3. For the discussion, the Authors should express the calculated data based on statistics model with hypothesis and predetermined significant values whereby, the conclusion can be drawn.</p>	
<p>Minor REVISION comments</p>	<p>1. The Authors should re-check the required format of references in text paragraph. Some of the references are not in the same format. The Authors should check and rewrite the references following the required format of the Journal templates.</p> <p>2. The calculated values that mentioned in text paragraphs should be included with measured unit. For example: 0.02, 0.02 and 0.01 mg/L (or mg L^{-1}), rather than 0.02, 0.02 and 0.01. (without followed measuring unit).</p> <p>3. The numeric values presented in Table 1 and Table 2 should have the same number of decimal digits after the integer part.</p> <p>4. English writing must be carefully revised.</p>	

Comment [S1]: The Authors should cite for the mentioned study(-ies).

Comment [S2]: The Authors should provide a map of area in which these selected locations as well as their flow-stream relations can be visualized.

Comment [S3]: The Authors should describe more details about the statistics method such as: Null Hypothesis (H_0), Alternative Hypothesis (H), significant level (0.01 or 0.05...), One-way or Two-way... ANOVA.

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Optional/General comments	Screening for the under reviewing manuscript highlighted that it is an investigation study to evaluate the presence and concentrations of some heavy metals in agriculture wastewater that considered as the main factors affect to human health. Such researches involving the Descriptive statistics were employed as the key method to identify the characteristics of a population based on the observed samples. Therefore, what make this manuscript attractable will be the well-prepared experiments design, statistics analysis, data interpretation and presentation including quality figures, plots, tables and related materials that are thereof visualization values. However, this manuscript encounters some major issues about calculation and a large number of writing, grammar and typo errors which make it hard for readers to comprehend. Base on the foregoing comments, this manuscript should be carefully revised before considering for publication.	
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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>	

As per the guideline of editorial office we have followed VANCOUVER reference style for our paper.

Kindly see the following link:

<http://sciencedomain.org/archives/20>

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