



SDI Review Form 1.6

Old Journal Name:	American Chemical Science Journal
New Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_ACSJ_29863
Title of the Manuscript:	QUALITY STATUS OF KAFIN-CHIRI RESERVOIR, KANO STATE, NIGERIA FOR DRINKING WATER SUPPLY
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://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
<u>Compulsory</u> REVISION comments	The paper presents the water quality of Kafin-Chiri reservoir (Nigeria) and its suitability for human consumption. Although a high volume of data was obtained, their presentation in the paper needs to be improved. 1. Please revise the English language through all the manuscript. 2. Abstract: please round up the values of WQI (eg. 147 instead of 147.16). 3. Introduction: Line 13-14. Please rephrase: <i>Majority of the industries in the city are textiles, tanneries, chemicals and allied and iron and steel</i> 4. Introduction: Line 24. Please clarify the limnological use of water 5. Introduction: Line 27-30. Please rephrase. Do you refer to physical parameters and chemical parameters and not to physical pollution or chemical pollution? 6. Study area: line 40. Please clarify the sentence: <i>Kafin-Chiri is a city, town, village or other agglomeration of buildings where people live and work</i>. From introduction I understand that Kafin-chiri is an agricultural town. 7. Collection of samples: line 48-51. Please mention the number of samples collected. There are 9 samples in total? One for each type in each season? Did you filter/preserve/acidulate the samples? 8. Methodology: line 54. Please abbreviate: total dissolved solids, hardness, suspended solids when	



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	first appear in the text and then use the abbreviation. Conductivity was already abbreviated in the introduction, so please use the abbreviation. 9. Methodology: line 60. Please rephrase: <i>The other parameters were brought to the laboratory for immediate analysis.</i> 10. Results and discussion: Fig. 2-4. In the present form fig. 2-4 are unreadable. Please group the 3 figures (or at least present them one after the other) as it is difficult to follow the data. Please use appropriate scale for the different parameters (log-scale) or box-and whisker plots to present the data. Another option would be to present a single table with all the data (reservoir, treated, potable water, all seasons). 11. Results and discussion: line 99. Please present the nitrite concentration as below the detection limit and not 0.00. 12. Results and discussion: line 101-102. Please rephrase: <i>There is no remarkable seasonal pattern observed throughout the seasonal periods.</i> 13. Results and discussion: please use appropriate number of significant figures in presenting the results (e.g. 165 instead of 164.60 mg/l COD, 292 mg/l instead of 292.00 mg/l). 14. Results and discussion: line 158. Please use the measurement unit formats in a unitary manner: if you use mg/L than also use $\mu\text{S}/\text{cm}$. 15. Table 1-4. Please use a reasonable number of decimals for observed values. Usually if standard values are without decimals you should present your data without decimals (except pH and nitrites). In the columns W_n, Q_n, $W_n x q_n$ use lower number of decimals. 16. If T/H is total hardness, please define this abbreviation!	
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	17. How you explain that in case of potable water the WQI index is higher than in case of treated water? What is the source of the drinking water? What treatment procedures are used in the water treatment plant? 18. References: please use the journal style for all the references. There are references presented in two ways: (see ref 14 and ref 21 for example). Please use a unitary format for the references.	
<u>Minor</u> REVISION comments	1. Study area: Figure 1-please use a better resolution, as the names are unreadable.	
<u>Optional/General</u> comments		

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>

Reviewer Details:

Name:	<i>Erika-Andrea Levei</i>
Department, University & Country	<i>Research Institute for Analytical Instrumentation Subsidiary Cluj-Napoca, Romania</i>