

Review Form 1.7

Journal Name:	Asian Journal of Geological Research
Manuscript Number:	Ms_AJGER_97580
Title of the Manuscript:	Hydrogeochemistry of Artesian and Controlled shallow Wells' Water: a case study of Ikere-Ekiti
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:

(<https://journalajoger.com/index.php/AJGER/editorial-policy>)

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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. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes, it is important, because water is a vital resource and its quality is fundamental.</p> <p>2. I think the name of the country should be included in the title.</p> <p>3. Yes, although I think it is not necessary to detail in the summary the characteristics of the equipment used.</p> <p>4. Yes</p> <p>5. Yes</p> <p>6. Yes</p> <p>In Location of study:</p> <ul style="list-style-type: none"> - The main map where the study area is included is blurred and cannot be seen, it is not explained if this map corresponds to a state of Nigeria or the entire country. - Point L11 is repeated twice on the map and point L10 is not there. <p>In Results and Discussion:</p> <ul style="list-style-type: none"> - The SO₄ and NO₃ data in Tables 1 and 2 do not match - The phrase "Water from both wells was acidic" I think it is not correct because "pH in the artesian wells' water ranged from 6.26 - 6.72", which is in the range approved by WHO and is surely due to the balance with the CO₂ - The controlled wells' water with lower pH values they are grouped: 8, 9 and 10; and 13, 14 and 15. What could be a lithological or infiltration effect, I think it is important to discuss that point. - Words: weathering, evaporation and dilution. They are not well placed in Figure 2. - Missing legend for Figure 4. <p>In Conclusion:</p> <ul style="list-style-type: none"> - Lack space in: "differential weathering.The hydrchemical" <p>Additional Suggestions:</p> <ul style="list-style-type: none"> - It is mentioned that the values outside the standards of some water samples are for anthropogenic effects. I think that the population centers and their industrial or agricultural activities should be located to give more weight to this statement. - If possible, a point that is far from any human settlement should be analyzed to take it as an environmental baseline. 	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>1. Yes</p> <p>In Results and Discussion:</p> <ul style="list-style-type: none"> - Lack space in: "is presented in Table1." - Lack space in: "Table1. Summary of Physico-chemical" - Lack space in: "a critical examination of Table1 shows" 	
<p>Optional/General comments</p>		

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)
<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:

Name:	Bernardo A. Leal Carrasco
Department, University & Country	UNEXPO, Venezuela