

## Review Form 1.7

Journal Name:	<a href="#">Asian Journal of Environment &amp; Ecology</a>
Manuscript Number:	Ms_AJEE_108552
Title of the Manuscript:	Groundwater Quality Assessment in Aba (Abia State) Using WQI and GIS Techniques
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.journalajee.com/index.php/AJEE/editorial-policy> )

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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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><b>Compulsory</b> REVISION comments</p> <p><b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p><b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p><b>3. Is the abstract of the article comprehensive?</b></p> <p><b>4. Are subsections and structure of the manuscript appropriate?</b></p> <p><b>5. Do you think the manuscript is scientifically correct?</b></p> <p><b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>Manuscript is fulfilled with main aim, used material and methods and significant results however, only some revision need to comply of it.</p> <p>Title of the article is suitable but if author add the country in it, would easy to understand spatially Suggested Title 'Groundwater Quality Assessment in Aba (Abia State), Nigeria, West Africa Using WQI and GIS Techniques.'</p> <p>Abstract must include the reason/s of good water quality support the sentence '....and 6.25% had WQI within the range of good water quality' in Abstract line No. 27 &amp; 28</p> <ul style="list-style-type: none"> <li>• Introductions sections need to comply with the few sentence about usefulness of research to the society and related societal issues at the last Paragraph</li> <li>• In the subsection 2.2 collection of Groundwater samples add the reason of selection of sampling sites and distance between sites.</li> <li>• In the subsection 3.2 should add the reason of good water quality at BH-11 in Rainy season.</li> <li>• In the Table No. 08 &amp; 09 should highlight the positive correlation</li> <li>• Conclusion Section should revise and rewrite the conclusion by emphasizing the findings competitively.</li> </ul> <p>Manuscript is scientifically correct</p> <p>References should add as per requirement Following work may prove helpful.            (a) Kharake, A. C., &amp; Raut, V. S. (2021). An assessment of water quality index of Godavari river water in Nashik city, Maharashtra. <i>Applied Water Science</i>, 11(6), 101.            (b) AC Kharake, VS Raut 'Assessment Of Water Quality Index And Correlation For The Study Of Water Quality Deterioration Of Pravara River.' <i>Applied Ecology and Environmental Sciences</i> 8 (6), 465-471, 2020            (c) Koli et al, <i>Appl Water Sci</i> 8, 196 (2018).            (d) Shinde et al, <i>Review of Research</i> 8 (2)2018 (Physico-chemical assessment and analysis of hazardous organic substances from textile industrial effluents from Sachin and Kadodara, GIDC, surat, India).            (e) Weiyan Duan, Fanping Meng (2018) Ecotoxicity of phenol and cresols to aquatic organisms: A review. <i>Ecotoxicology and Environmental Safety</i> 157:441-456,            (f) K.A.Isai et al, (2015) Detection and Identification of Organics and Metals from Industrial Wastewater by ICP-AES, FTIR and GC/MS. <i>J. of Advanced Chemical Sci.</i> 1(4):164-166.</p>	
<p><b>Minor</b> REVISION comments</p> <p><b>1. Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>The manuscript must require spellcheck and appropriate phrasing to minimize grammatical mistakes.</p>	

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<b>Optional/General</b> comments		
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**PART 2:**

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

**Reviewer Details:**

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