

## Review Form 1.7

Journal Name:	<b>Journal of Advances in Microbiology</b>
Manuscript Number:	<b>Ms_JAMB_116290</b>
Title of the Manuscript:	<b>Seasonal variation and antibiotic susceptibility patterns of bacteriological parameters in groundwater sources in Oyi LGA, Anambra State, Nigeria</b>
Type of the Article	<b>Research Paper</b>

### 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><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>Yes as this study highlights the importance of potable water quality consumption to prevent water-related disease outbreaks. Study comes as a base line study underscoring the prevalence of bacteriological contamination and antibiotic resistance in the drinking water in Oyi LGA, Anambra State, Nigeria.</p> <p>Title "Seasonal variation and antibiotic susceptibility patterns of bacteriological parameters in groundwater sources in Oyi LGA, Anambra State, Nigeria" is suitable.</p> <p>Yes, abstract reflects the main out comings of the study.</p> <p>Yes</p> <p>Yes it is though more elaborative quantifications and molecular characterization and identification of bacterial isolates could have been done.</p> <p>Few latest references related to the seasonal variations of the bacterial communities in the drinking water can be added. E.g. Molale-Tom LG, Olanrewaju OS, Kritzinger RK, Fri J, Bezuidenhout CC. 2024. Heterotrophic bacteria in drinking water: evaluating antibiotic resistance and the presence of virulence genes. Microbiol Spectr 12:e03359-23. <a href="https://doi.org/10.1128/spectrum.03359-23">https://doi.org/10.1128/spectrum.03359-23</a> Catherine N. Abaasa ,Savino Ayesiga,Julius B. Lejju,Morgan Andama,Imelda K. Tamwesigire, Joel Bazira,Frederick Byarugaba 2024. Assessing the quality of drinking water from selected water sources in Mbarara city, South-western Uganda. <a href="https://doi.org/10.1371/journal.pone.0297794">https://doi.org/10.1371/journal.pone.0297794</a></p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes it is good.</p>	
<p><b>Optional/General</b> comments</p>	<p>Introduction is quite comprehensive with few repetitions. It is suggested to make it briefer after removing the similar meaning sentences.</p> <p>In figure 2 axis titles and error bars are missing. Add these.</p> <p>Inconsistency in the use of abbreviations e.g. <i>Escherichia coli</i> can be written as <i>E. coli</i> once mentioned in the text. Correct all.</p>	

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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> No	

**Reviewer Details:**

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