

Review Form 1.6

Journal Name:	International Journal of TROPICAL DISEASE & Health
Manuscript Number:	Ms_IJTDH_91940
Title of the Manuscript:	Determination of Bacterial Composition, Heavy Metal Pollution and Physicochemical Parameters of Andoni River, Rivers State, Nigeria
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://www.journalijtdh.com/index.php/IJTDH/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)
Compulsory REVISION comments	<p>Collection of water samples for physicochemical parameter</p> <p>In each day, three water samples were collected in the mornings and three in the evenings, so that in two days 12 water samples were collected. In the three seasons (November, April and July) a total of 36 water samples were collected. Hence, 72 water samples were collected from November 2016 to July 2018 (November 2016, April 2017, July 2017, November 2017, April 2018 and July 2018).</p> <p>Comments (The marked area was not properly written).</p> <ol style="list-style-type: none"> 1. The morning and Evening hours of the day for sample collection were not stated, because there is variation in Ambient Temperature from Northern to Southern Nigeria. 2. From my own point of view, two days were chosen for sampling for each month indicated, this totalled as 12x6= 72, it was not clearly written. 3. We have two seasons in Nigeria, wet and dry seasons. So, it can't three seasons. 4. Months can be selected as on-set of dry season, on-set of rainy season and peak of raining season, according to the months selected. 5. State what mercury thermometer was used for. <p>Cultivation of microorganisms</p> <p>The picture of the cultivation should have been included</p> <p>Finally, mercury thermometer was used for the analysis of biological oxygen demand. How? You need BOD bottles among other materials to analyse biological oxygen demand, unless you have BOD analyser (instrument).</p> <p>Your NS, S need to be defined under the tables</p> <p>I expect that the physiochemical parameters of the samples should have been compared based on morning or evening collection/samples. The use of non-parametric statistical test will show which one is significant or not e.g Mann Whitney Test. Deductions can be made regarding monitoring.</p> <p>There was no information on metal dissolution, instrumental analysis, quality assurance of the metal analysis.</p> <p>Acceptable limits of all the physiochemical parameter were not stated in the tables.</p> <p>This write-up was poorly concluded with regard to the months selected. No comparison on the month to month basis and there was no conclusion on the most favourable month(s) among the once considered.</p>	
Minor REVISION comments		

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Optional/General comments	The article needs critical discussions and the results be presented in a way that the findings could be used for environmental monitoring, health policy formulation. However, the concept of this research is good, but there are deficiencies in presentation of results.	
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PART 2:

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

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