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| Book Name: | [**Geography, Earth Science and Environment: Research Highlights**](https://www.bookpi.org/bookstore/product/geography-earth-science-and-environment-research-highlights-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4614** |
| Title of the Manuscript:  | **Water Quality and Trophic State of Kaw Lake** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **The manuscript hight the statu of the aquatic ecosystem.****Encourage monitoring of the ecosystem and** **The best application management practices of the soil and water conservation measures** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes** The title is okay for the manuscript |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **The abstract need to be refined to reduce the length. The history of the study area may not be necessary in the abstract.**The history of the study area should be remove |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Yes**  |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **The references are not recent. I sugest the following: Janssen, A. B., Teurlincx, S., Beusen, A. H., Huijbregts, M. A., Rost, J., Schipper, A. M., ... & Janse, J. H. (2019). PCLake+: A process-based ecological model to assess the trophic state of stratified and non-stratified freshwater lakes worldwide. Ecological modelling, 396, 23-32.** Mohammed, A., Mengistou, S., & Fetahi, T. (2024). Evaluation of water quality and trophic status in relation to seasonal water mixing in a highland Lake Ardibo, Ethiopia. *Water Science & Technology*, *89*(10), 2703-2715.Almost 60% of references need to be updated |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes  |  |
| Optional/General comments |  |  |

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| **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)* |
| **Are there ethical issues in this manuscript?**  | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer Details:**

**Usman Alhassan Gabi, Ibrahim Badamasi Babangida University Lapai, Nigeria**