

REVIEWER'S REPORT

Manuscript No.: IJAR-59243

Title: QUALITY OF DRINKING WATER RESOURCES IN THE MUNICIPALITY OF DANGBO (SOUTH BENIN).

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		Good		
Techn. Quality		Good		
Clarity		Good		
Significance		Good		

Reviewer's ID: JPR- 115 Dr Thirunahari Ugandhar

Detailed Reviewer's Report

Reviewer's Comments

The manuscript addresses an important public-health issue concerning drinking-water quality in Dangbo Municipality, South Benin. The study is relevant and contains useful field and laboratory observations. However, some revisions are required before publication.

- Title:** The title is appropriate, but it could be made more precise by indicating that the study evaluates both physicochemical and bacteriological quality.
- Abstract:** The abstract should be revised for clarity and grammatical accuracy. The main numerical findings, sample size, and key conclusions should be presented more clearly.
- Methodology:** There is an inconsistency in the number of sampling sites and samples. The abstract mentions seven sites, whereas the methodology reports ten sites and twelve samples. This should be corrected and explained.
- Results:** Some values in Table II appear misaligned or unclear. The authors should carefully verify the units, decimal values, symbols, and corresponding sampling locations.
- Standards:** The manuscript should clearly identify the specific WHO and Benin drinking-water standards used for comparison and provide appropriate references.

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6. **Bacteriological results:** The presence of *E. coli* in all/most samples is an important finding. The authors should clearly explain its public-health significance and distinguish between detection and actual disease occurrence.
7. **Discussion:** The discussion should be strengthened by comparing the findings with recent studies from Benin and other comparable regions.
8. **Language:** The manuscript requires thorough English/French language editing. Several sentences are grammatically incorrect or difficult to understand.
9. **References:** References should be updated with recent peer-reviewed literature and presented in a consistent journal-approved format. All cited sources should appear in the reference list and vice versa.
10. **Conclusion:** The conclusion is generally appropriate but should be more concise and directly linked to the major findings.

Overall recommendation: Minor Revision. The study has potential value, but methodological inconsistencies, data presentation, language, and interpretation should be addressed before publication.