

REVIEWER'S REPORT

Manuscript No.: IJAR-53833

Date: 15.09.2025

Title: Helminth Dynamics in Urban Wastewater from the “Boribana” Collector (Attécoubé, Abidjan)

Recommendation:

Accept as it is

Accept after minor revision

Accept after major revision

Do not accept (*Reasons below*)

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

Reviewer Name: **ANAPANA GOPAL**

Date: 15.09.2025

Reviewer's Comment for Publication.

(To be published with the manuscript in the journal)

The reviewer is requested to provide a brief comment (3-4 lines) highlighting the significance, strengths, or key insights of the manuscript. This comment will be Displayed in the journal publication alongside with the reviewers name.

General Comments

The manuscript addresses an important public health issue by analyzing helminth egg load in urban wastewater. The study is regionally significant and adds valuable baseline data for West Africa. The work is thorough in methodology and provides useful insights into seasonal and spatial variations. However, certain sections are overly descriptive, and the text could be made more concise for better readability. Figures and tables are relevant but need clearer captions and improved presentation.

Content and Originality

The research provides original data on wastewater contamination in Côte d'Ivoire, complementing existing studies in other regions. While the context is not entirely novel, the focus on the “Boribana” collector makes it regionally important. The originality lies mainly in documenting helminth diversity and seasonal variation.

Technical Quality

The methodology is detailed, with proper use of WHO-recommended techniques. Sampling design is sound, covering multiple sites and seasons. Data analysis is adequate, with appropriate use of non-parametric statistical tests (Kruskal-Wallis, Mann-Whitney). However, figures (esp. 6–11) could be simplified for clarity. Some parts of the methods are too lengthy and could be shortened without losing scientific rigor.

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Language and Presentation

The manuscript is generally understandable but written in a very dense style. Long sentences and repetitive explanations reduce readability. Minor grammatical issues and inconsistent formatting (spacing, numbering, references) should be corrected. The abstract is well-written but could be shortened to highlight only key findings.

Structure and Organization

The overall structure follows standard scientific format (Abstract, Introduction, Methods, Results, Discussion, Conclusion). However:

- The Introduction is too long; it should be condensed and more focused on the knowledge gap.
- The Results and Discussion could be separated more clearly, as some interpretation is mixed into results.
- The Conclusion is appropriate but could emphasize practical recommendations more strongly (e.g., wastewater treatment strategies).

References and Citations

The references are relevant and cover both regional and international literature. However:

- Some are outdated (1980s–1990s). More recent studies should be included to strengthen the discussion.
- Citation formatting is inconsistent (e.g., author names without space, missing DOIs for some).
- Ensure uniform reference style according to journal guidelines.

Overall Recommendation

The manuscript presents valuable findings and merits publication after **Minor revision**. The authors should:

1. Shorten and focus the Introduction.
2. Improve clarity and conciseness of language.
3. Simplify figures and enhance captions.
4. Ensure reference formatting consistency and include recent literature.

Recommendation: **Minor Revision**

Detailed Reviewer's Report