

REVIEWER'S REPORT

Manuscript No.: IJAR-58177

Title: REUSE OF TREATED WASTEWATER (TWR) FOR SUSTAINABLE AGRICULTURE IN THE SAHEL: A BIBLIOGRAPHIC SYNTHESIS.

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- **JPR-115**.

Detailed Reviewer's Report

Overall recommendation.

Major Revision

The book addresses an important and topical topic: the reuse of treated wastewater (TWR) for sustainable agriculture in the Sahel. It offers a comprehensive overview of treatment technologies, environmental and health implications, policy frameworks, and research gaps. The review pertains to water resource management, climate resilience, and sustainable agriculture. However, the work must undergo significant changes before it can be considered for publication. Several concerns with scientific rigour, organization, referencing, language, and critical analysis must be addressed.

General Comments:

Strengths

The topic is extremely crucial to worldwide water scarcity and sustainable agriculture.

The article addresses technological, environmental, health, socioeconomic, and policy issues.

The review contains recent material (2023-2026), therefore it is quite up to date.

Tables summarising treatment technologies, infections, and SDG contributions enhance readability.

The consideration of the Sahelian context has regional implications.

Major Comments:

1. The literature review requires further critical analysis.

The manuscript primarily summarises published information rather than critically analysing prior research.

Authors should:

Compare study findings, identify agreements and differences, explain research limitations, and identify knowledge gaps for critical analysis.

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The review now resembles a descriptive report rather than a critical review article.

2. Methodology for the Bibliographic Review

The publication claims to be a "bibliographic synthesis," although no review technique is provided.

Authors should explicitly explain:

To do a literature review, examine the search technique, databases (e.g., Scopus, Web of Science, PubMed, Google Scholar), keywords, inclusion/exclusion criteria, publication years, and quantity of publications reviewed.

Novelty

The manuscript has moderate novelty because:

- wastewater reuse reviews already exist,
- the regional focus on the Sahel adds value,
- integration of policy, technology, and sustainability is useful.

However, stronger critical analysis would significantly increase originality.

Final Recommendation

Recommendation: Minor Revision

The manuscript addresses an important topic with potential value for researchers and policymakers. However, significant revisions are required to improve methodological transparency, critical analysis, reference quality, scientific depth, and presentation. Addressing the comments above will substantially enhance the manuscript's quality and suitability for publication.