

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		x		
Techn. Quality			x	
Clarity		x		
Significance		x		

Reviewer's ID: JPR-171

Detailed Reviewer's Report

This review examines treated wastewater reuse (TWR) for horticultural irrigation, with a focus on Sahelian contexts. The topic is timely and relevant, but the manuscript requires major revisions. First, the paper lacks a clear methodological framework for the literature review—search strategy, inclusion/exclusion criteria, and quality assessment are not described. Second, the discussion of Sahel-specific challenges is generic and would benefit from more detailed analysis of local case studies, climatic data, and existing pilot projects. Third, several claims require better substantiation (e.g., "40-60% fertiliser savings" and "25-35% yield increases" are cited but need primary sources). Fourth, the section on "Sahel adaptation" in Table 1 is overly optimistic and not supported by empirical evidence from the region. Fifth, the policy recommendations are broad and should be prioritised and linked to specific findings. Sixth, the manuscript would benefit from a clearer distinction between global knowledge and Sahel-specific evidence. The authors must strengthen the methodological transparency, provide region-specific data, and temper overgeneralisations. A major revision is required.