

REVIEWER'S REPORT

Manuscript No.: IJAR-57038

Title: A contribution to resolving the issues surrounding the Founkama micro-algues in the municipality of Faranah, Guinea

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 manuscript presents a technically sound engineering study addressing the rehabilitation and redesign of the Founkama micro-dam to expand irrigable area from 8 ha to 180 ha in Guinea. The work is relevant to national food sovereignty goals (SINANDOU 2040) and provides detailed hydrological, topographical, and geotechnical analyses. The proposed technical specifications (Table 1) and design choices (thick-crested spillway, homogeneous clay dike) are well justified. However, several minor issues require attention before publication. First, the manuscript lacks an abstract and keywords, which should be added. Second, multiple figures are cited but missing (Figures 1, 2, 5, 6, 12, 13, 14, 15), and Figure 7 contains an image placeholder ("image[[334, 632, 676, 997]]") that needs replacement. Third, some references are incomplete (e.g., Hountondji, 2026 appears speculative) or inconsistently formatted. Fourth, the discussion section is brief and could more explicitly compare findings with similar micro-dam projects in West Africa. Fifth, the conclusion would benefit from a clearer statement of study limitations (e.g., absence of formal geotechnical laboratory tests). Finally, minor grammatical and typographical errors should be corrected (e.g., "Hike" heading on page 11 likely intended as "Height"). With these revisions, the manuscript will be suitable for acceptance.