

REVIEWER'S REPORT

Manuscript No.: IJAR-58654

Title: Qualit  physicochimique et contamination par l'aflatoxine B1 des graines d'arachide (Arachis hypogaea L.) stock es dans la bande sud-centre du Niger.

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 valuable assessment of peanut quality and aflatoxin B1 contamination across three storage facility types in Niger, addressing an important food safety concern. The study's robust methodology, including AOAC-standard proximate analysis, HPLC quantification of AFB1, and appropriate statistical analyses (ANOVA, PCA, Pearson correlation), provides meaningful findings on storage conditions and mycotoxin risk. However, significant revisions are required. The abstract is duplicated (pages 1-2), and portions of the conclusion are repeated, indicating poor editorial oversight. The discussion would benefit from deeper engagement with the literature on Sahelian storage practices and climate influences on aflatoxin contamination. The authors should clarify the justification for selecting the 6-month storage period and provide more detail on the sampling strategy across the 16 villages. Additionally, the references contain formatting inconsistencies and incomplete entries that require correction. The recommendations for improved storage infrastructure are appropriate but could be more specific regarding implementation feasibility for smallholder farmers. With substantial revisions addressing these structural, formatting, and contextual issues, this work will contribute meaningfully to food safety knowledge in West Africa.