

REVIEWER'S REPORT

Manuscript No.: IJAR-55469

Title: Chemical and Antimicrobial Characterization of Soap Produced from Rubber Seed Oil (Hevea brasiliensis) in Côte d'Ivoire

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 Name: Dr. Hari Prashad Joshi

Detailed Reviewer's Report

This study provides a valuable contribution to the valorization of agricultural by-products in Côte d'Ivoire, demonstrating the successful production and characterization of soap from rubber seed oil. The work is well-structured, with clear objectives, appropriate methodologies, and comprehensive analyses of physicochemical, safety, and antimicrobial properties. The results are robust and support the conclusion that rubber seed oil is a suitable raw material for soapmaking, aligning with goals of agro-industrial diversification. However, minor revisions are recommended to enhance clarity and impact. The introduction could better contextualize the study within local economic and environmental policies. Additionally, the methodology section should include more detail on sample sizes, replication, and statistical analysis. The discussion would benefit from a deeper comparison of the antimicrobial results with existing literature, including potential mechanisms. Some formatting inconsistencies in tables and references require correction. Addressing these points will strengthen the manuscript's rigor and readability, making it suitable for publication.