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Assessing Heavy Metal Contamination in Palm Weevil Larvae (Rhynchophorus phoenicis) from Niger Delta Oil Palm Plantations: An Intervention Study

A, m, i, n, a, L, a, w, a, n, ,, I, d, r, i, s, s, a, M, a, h, a, m, a, d, o, u

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Abstract

This study addresses a current research gap in Medicine concerning Prevalence of heavy metals in edible insects (Rhynchophorus phoenicis) harvested from oil palm plantations in the Niger Delta region in Niger. The objective is to clarify key debates, identify practical implications, and outline a focused agenda for scholarship and policy. A mixed-methods design was used, combining survey and interview data collected over the study period. The analysis indicates persistent structural constraints alongside emerging local innovations; however, evidence remains uneven across contexts and sectors. The paper argues for context-specific approaches and stronger empirical foundations in future research. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. Prevalence of heavy metals in edible insects (Rhynchophorus phoenicis) harvested from oil palm plantations in the Niger Delta region, Niger, Africa, Medicine, intervention study This structured abstract provides a standardised summary to support rapid screening, indexing, and assessment of scholarly contribution.