



# Evaluating Integrated Pest Management within Coffee Production Profitability Dynamics in Central Tanzania: A Theoretical Framework

Nancy Simiyu<sup>1,2</sup>, Gabriel Mwakisoga<sup>3,4</sup>, Jane Ndyome<sup>2,5</sup>, Patrick Msuya<sup>1,5</sup>

<sup>1</sup> Ardhi University, Dar es Salaam

<sup>2</sup> Tanzania Commission for Science and Technology (COSTECH)

<sup>3</sup> Department of Research, Ardhi University, Dar es Salaam

<sup>4</sup> Department of Interdisciplinary Studies, Tanzania Wildlife Research Institute (TAWIRI)

<sup>5</sup> University of Dar es Salaam

**Published:** 14 June 2011 | **Received:** 27 February 2011 | **Accepted:** 21 April 2011

**Correspondence:** [nsimiyu@aol.com](mailto:nsimiyu@aol.com)

**DOI:** [10.5281/zenodo.18919462](https://doi.org/10.5281/zenodo.18919462)

## Author notes

*Nancy Simiyu is affiliated with Ardhi University, Dar es Salaam and focuses on African Studies research in Africa. Gabriel Mwakisoga is affiliated with Department of Research, Ardhi University, Dar es Salaam and focuses on African Studies research in Africa.*

*Jane Ndyome is affiliated with University of Dar es Salaam and focuses on African Studies research in Africa. Patrick Msuya is affiliated with Ardhi University, Dar es Salaam and focuses on African Studies research in Africa.*

## Abstract

Integrated Pest Management (IPM) is a holistic approach to pest control in agriculture that seeks to minimise environmental impact while maintaining crop yields and quality. This study will employ a mixed-methods approach, integrating qualitative interviews with quantitative data analysis from existing studies and field observations. The theoretical framework established here provides a robust foundation for future empirical research into the economic impacts of IPM in coffee production. Policy makers should consider supporting farmers with training and resources to implement effective IPM practices, which can lead to sustainable and profitable coffee farming in Central Tanzania.

**Keywords:** *Tanzania, Geographical Disparities, Agricultural Economics, Pest Ecology, Sustainable Farming Practices, Complexity Theory, Systems Analysis*

## ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

**Email:** [info@parj.africa](mailto:info@parj.africa)

Request your copy of the full paper today!

## SUBMIT YOUR RESEARCH

**Are you a researcher in Africa? We welcome your submissions!**

Join our community of African scholars and share your groundbreaking work.

**Submit at:** [app.parj.africa](http://app.parj.africa)



Scan to visit [app.parj.africa](http://app.parj.africa)

**Open Access Scholarship from PARJ**

Empowering African Research | Advancing Global Knowledge