



Adoption Analysis of Climate-Resilient Agricultural Techniques by Smallholder Farmers in Malawi's Central Region

Chauka Chiyangwa¹

¹ Department of Interdisciplinary Studies, Mzuzu University

Published: 15 June 2009 | **Received:** 08 January 2009 | **Accepted:** 18 April 2009

Correspondence: cchiyangwa@hotmail.com

DOI: [10.5281/zenodo.18897962](https://doi.org/10.5281/zenodo.18897962)

Author notes

Chauka Chiyangwa is affiliated with Department of Interdisciplinary Studies, Mzuzu University and focuses on Arts & Humanities research in Africa.

Abstract

Climate change poses significant challenges to agriculture in Malawi's Central Region, affecting smallholder farmers who rely on traditional farming practices. Rising temperatures and unpredictable rainfall have led to decreased crop yields and increased vulnerability. A mixed-methods approach was employed, involving a survey with structured questions complemented by semi-structured interviews. Data were collected from 200 randomly selected smallholder farmers using a stratified random sampling technique. Farmers showed varying levels of interest in adopting climate-resilient techniques; about 45% reported willingness to adopt these practices, primarily driven by perceived benefits such as increased yields and reduced input costs. Barriers included lack of knowledge and financial constraints. The study highlights the importance of education and supportive policies for promoting climate-resilient agricultural practices among smallholder farmers in Malawi's Central Region. Policy makers should invest in farmer training programmes to enhance understanding of climate-resilient techniques, while financial institutions could consider offering more affordable loans to facilitate adoption.

Keywords: *African Geography, Climate Change Adaptation, Smallholder Farming, Agricultural Innovation Acceptance, Participatory Research Methodology, Sustainability Assessment, Technological Diffusion*

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

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



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge