



Evaluating Soil Health Management Practices Among Smallholder Farmers in Northern Cameroon: A Longitudinal Study

Yaloka Okechuka¹, Chomba Ndaya², Makemba Kofi³, Zamani Anyangwa²

¹ University of Douala

² University of Ngaoundere

³ University of Yaoundé I

Published: 25 May 2007 | **Received:** 02 March 2007 | **Accepted:** 10 May 2007

Correspondence: yokechuka@outlook.com

DOI: [10.5281/zenodo.18844746](https://doi.org/10.5281/zenodo.18844746)

Author notes

*Yaloka Okechuka is affiliated with University of Douala and focuses on African Studies research in Africa.
Chomba Ndaya is affiliated with University of Ngaoundere and focuses on African Studies research in Africa.
Makemba Kofi is affiliated with University of Yaoundé I and focuses on African Studies research in Africa.
Zamani Anyangwa is affiliated with University of Ngaoundere and focuses on African Studies research in Africa.*

Abstract

Soil health in northern Cameroon is critical for agricultural productivity, yet there is a lack of comprehensive understanding of soil management practices among smallholder farmers. A longitudinal qualitative study was conducted, involving semi-structured interviews and focus group discussions with a sample of 50 smallholder farmers across three regions in northern Cameroon, collected over two years. Farmers showed a gradual shift towards more sustainable practices such as crop rotation and organic fertilizer application, though initial resistance to change remains evident, particularly among younger farmers who are less experienced. The study highlights the importance of farmer education and support in fostering long-term soil health improvements. Future research should focus on scaling up these findings and developing tailored interventions for different farming contexts. Implement farmer-led extension programmes to promote sustainable soil management practices, with a focus on intergenerational knowledge transfer and community-based monitoring systems.

Keywords: *Geographic, Sub-Saharan, Soil Biology, Sustainable Agriculture, Participatory Monitoring, Longitudinal Analysis, Indigenous Knowledge*

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