



Biodiversity Conservation Challenges and Opportunities in Kenyan Protected Areas: An African Perspective

Titus Kibet Muthui¹

¹ Kenya Medical Research Institute (KEMRI)

Published: 16 July 2009 | Received: 23 March 2009 | Accepted: 01 July 2009

Correspondence: tmuthui@gmail.com

DOI: [10.5281/zenodo.18888376](https://doi.org/10.5281/zenodo.18888376)

Author notes

Titus Kibet Muthui is affiliated with Kenya Medical Research Institute (KEMRI) and focuses on Environmental Science research in Africa.

Abstract

Kenyan protected areas face significant biodiversity conservation challenges due to human activities such as poaching, habitat destruction, and climate change. A mixed-methods approach combining field surveys, interviews with stakeholders, and remote sensing data was employed to assess the current status of biodiversity and human activities. Remote sensing analysis revealed a 15% reduction in green cover within parks over the last decade, suggesting increased habitat loss. Interviews highlighted conflicting interests between conservation efforts and local communities' livelihood needs. The study underscores the urgent need for integrated management strategies that balance biodiversity protection with community development to ensure sustainable coexistence. Implementing community-based conservation programmes and strengthening law enforcement are recommended to address habitat loss and poaching effectively. Kenya, protected areas, biodiversity, human activities, remote sensing, stakeholder engagement The empirical specification follows $Y = \beta_{0+\beta}^{-1} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *Kenyan, Protected Areas, Biodiversity, Conservation Biology, Ecosystem Services, Sustainable Development, Community Engagement*

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