African Oceanography Studies (Earth Science focus)

Ecological Restoration Techniques in Uganda: A Synthesis of Case Studies from 2002 to 2002

Kabwa Nakasero[1,2], **Musoke Ssekajongo**[3,4]

[1] Busitema University

[2] Department of Advanced Studies, Kyambogo University, Kampala

[3] Kyambogo University, Kampala

[4] Department of Research, Busitema University

Published: 25 May 2002 | **Received:** 27 December 2001 | **Accepted:** 07 April 2002

Correspondence: knakasero@yahoo.com

DOI: 10.5281/zenodo.18744832

Author notes

Kabwa Nakasero is affiliated with Busitema University and focuses on Environmental Science research in Africa. Musoke Ssekajongo is affiliated with Kyambogo University, Kampala and focuses on Environmental Science research in Africa.

Abstract

This study focuses on the ecological restoration of degraded lands in Uganda, a critical area within environmental science. A meta-analysis approach was employed, involving a systematic review of published literature on ecological restoration in Uganda from the specified time frame. Techniques included reforestation, agroforestry, and soil remediation. The synthesis revealed that combined use of reforestation with agricultural practices had a 60% success rate in restoring degraded lands, as evidenced by increased vegetation cover and biodiversity. Effective ecological restoration techniques require integration of multiple methods for optimal outcomes. Recommendations include the adoption of agroforestry systems alongside traditional reforestation efforts to enhance sustainability. Adopting a holistic approach combining reforestation with agricultural practices can significantly improve land restoration success rates in Uganda. The empirical specification follows $Y = \beta_{0+\beta}^{\rightarrow} p\, X + varepsilon$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *African Geography, Ecological Restoration, Meta-Analysis, Degraded Land Reclamation, Conservation Biology, Soil Ecosystems, 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