



Deforestation and Land Degradation's Impact on Ecosystem Services in Madagascar: An Ecological Assessment

Salama Andriamangarizy¹

¹ National Centre for Applied Research on Rural Development (FOFIFA)

Published: 22 August 2010 | **Received:** 02 June 2010 | **Accepted:** 30 July 2010

Correspondence: sandriamangarizy@hotmail.com

DOI: [10.5281/zenodo.18906696](https://doi.org/10.5281/zenodo.18906696)

Author notes

Salama Andriamangarizy is affiliated with National Centre for Applied Research on Rural Development (FOFIFA) and focuses on Environmental Science research in Africa.

Abstract

Madagascar is facing significant deforestation and land degradation issues, which threaten its unique biodiversity and ecosystem services. A combination of field surveys and remote sensing data was used to analyse patterns of deforestation and land degradation across different regions in Madagascar. The analysis revealed a clear trend of declining tree cover, with approximately 20% loss over the past decade in some forested areas. Deforestation and land degradation are major threats to Madagascar's ecosystems, necessitating immediate intervention strategies. Implementing community-based reforestation programmes and promoting sustainable agricultural practices can help mitigate these environmental issues. The empirical specification follows $Y = \beta_{0+\beta} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *Madagascar, Biodiversity Loss, Ecosystem Services, Land Degradation, Forest Ecology, Remote Sensing, Sustainable Management*

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