



Sustainable Land Management Strategies for Desertification Control in Moroccan Sahel Regions

Ahmed El Amrani¹

¹ Department of Interdisciplinary Studies, Sidi Mohamed Ben Abdellah University, Fez

Published: 25 March 2012 | **Received:** 11 January 2012 | **Accepted:** 02 March 2012

Correspondence: aamrani@gmail.com

DOI: [10.5281/zenodo.18954510](https://doi.org/10.5281/zenodo.18954510)

Author notes

Ahmed El Amrani is affiliated with Department of Interdisciplinary Studies, Sidi Mohamed Ben Abdellah University, Fez and focuses on Environmental Science research in Africa.

Abstract

This study addresses a current research gap in Environmental Science concerning Sustainable Land Management Practices for Combating Desertification in the Sahel in Morocco. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A mixed-methods design was used, combining survey and interview data collected over the study period. The results establish bounded error under perturbation, a convergent estimation process under stated assumptions, and a stable link between the proposed metric and observed outcomes. The findings provide a reproducible analytical basis for subsequent theoretical and applied extensions. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. Sustainable Land Management Practices for Combating Desertification in the Sahel, Morocco, Africa, Environmental Science, original research This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. The empirical specification follows $Y = \beta_{0+\beta}^{-} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *Sahelian, Holistic Management, Agroforestry, Conservation Agriculture, Soil Conservation, Sustainable Intensification, Terracing*

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