



# Rainwater Harvesting in Urban Slums: A Three-Year Impact Study in Lagos, Nigeria

Chinwe Obiora<sup>1</sup>

<sup>1</sup> Department of Research, Ladoke Akintola University of Technology (LAUTECH), Ogbomoso

**Published:** 21 January 2007 | **Received:** 02 November 2006 | **Accepted:** 28 December 2006

**Correspondence:** [cobiora@hotmail.com](mailto:cobiora@hotmail.com)

**DOI:** [10.5281/zenodo.18845364](https://doi.org/10.5281/zenodo.18845364)

## Author notes

*Chinwe Obiora is affiliated with Department of Research, Ladoke Akintola University of Technology (LAUTECH), Ogbomoso and focuses on Environmental Science research in Africa.*

## Abstract

Urban slums in Lagos, Nigeria, face significant water scarcity due to inadequate infrastructure and management of rainfall. A mixed-method approach combining surveys ( $n=500$ )  $\wedge$  *focus group discussions* ( $n=20$ ). Rainwater harvesting was adopted by 36% of surveyed households, with higher adoption rates in areas with more frequent rainfall. The study highlights the need for targeted community engagement and policy interventions to maximise water conservation benefits. Develop tailored rainwater harvesting solutions and implement education programmes targeting vulnerable communities.

**Keywords:** *African geography, urbanization, slums, household survey, water harvesting, sustainability, qualitative methods, participatory evaluation*

## 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](mailto: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](http://app.parj.africa)



Scan to visit [app.parj.africa](http://app.parj.africa)

**Open Access Scholarship from PARJ**

Empowering African Research | Advancing Global Knowledge