



Analysis of Development of Sensors and IoT Systems for Environmental Monitoring in Mining Sites in Kenya: An African Perspective

Olivia Quinn¹

¹ Kenya Medical Research Institute (KEMRI)

Published: 28 February 2014 | **Received:** 23 October 2013 | **Accepted:** 31 December 2013

Correspondence: oquinn@yahoo.com

DOI: [10.5281/zenodo.18595020](https://doi.org/10.5281/zenodo.18595020)

Author notes

Olivia Quinn is affiliated with Kenya Medical Research Institute (KEMRI) and focuses on Engineering research in Africa.

Abstract

This study addresses a current research gap in Engineering concerning Development of Sensors and IoT Systems for Environmental Monitoring in Mining Sites in Kenya. The objective is to clarify key debates, identify practical implications, and outline a focused agenda for scholarship and policy. A qualitative approach was used, drawing on recent literature and policy sources to frame the analysis. The analysis indicates persistent structural constraints alongside emerging local innovations; however, evidence remains uneven across contexts and sectors. The paper argues for context-specific approaches and stronger empirical foundations in future research. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. Development of Sensors and IoT Systems for Environmental Monitoring in Mining Sites, Kenya, Africa, Engineering, working paper This structured abstract provides a standardised summary to support rapid screening, indexing, and assessment of scholarly contribution.

Keywords: *Development of Sensors and IoT Systems for Environmental Monitoring in Mining Sites, Kenya, Africa, Engineering*

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