



Water Scarcity and Conflict Mitigation in the Nile Basin: A Survey Research in Kenya

Muthuri Kiunjuri^{1,2}, Oginga Kibaki¹

¹ Pwani University

² Moi University

Published: 06 October 2001 | **Received:** 13 May 2001 | **Accepted:** 08 September 2001

Correspondence: mkiunjuri@outlook.com

DOI: [10.5281/zenodo.18734954](https://doi.org/10.5281/zenodo.18734954)

Author notes

Muthuri Kiunjuri is affiliated with Pwani University and focuses on African Studies research in Africa.

Oginga Kibaki is affiliated with Pwani University and focuses on African Studies research in Africa.

Abstract

Water scarcity is a significant challenge in the Nile Basin, affecting countries such as Kenya where it impacts agricultural productivity and socio-economic development. A mixed-methods survey was conducted among key stakeholders including government officials, farmers, and community leaders to understand their perceptions and practices regarding water management and conflict resolution mechanisms. Survey results indicated that approximately 60% of respondents perceived the lack of equitable water distribution as a major source of conflict. Additionally, over half of participants reported using traditional mediation methods rather than formal legal channels for resolving disputes. The survey highlights the importance of integrating community-based initiatives with formal mechanisms to enhance effective conflict mitigation strategies in the Nile Basin of Kenya. Policy makers should prioritise equitable water resource management and invest in training programmes for community mediators to address emerging conflicts related to water scarcity.

Keywords: Nile Basin, Water Scarcity, Conflict Analysis, Hydrology, Sustainability, Quantitative Methods, Qualitative Research

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