



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

Kamau Njuki¹, Cheruyot Kimani², Seyi Mutua^{3,4}, Wanjiku Kiplagat¹

¹ University of Nairobi

² Moi University

³ Department of Advanced Studies, University of Nairobi

⁴ Department of Interdisciplinary Studies, Technical University of Kenya

Published: 02 January 2005 | **Received:** 07 September 2004 | **Accepted:** 10 November 2004

Correspondence: knjuki@yahoo.com

DOI: [10.5281/zenodo.18817133](https://doi.org/10.5281/zenodo.18817133)

Author notes

Kamau Njuki is affiliated with University of Nairobi and focuses on African Studies research in Africa.

Cheruyot Kimani is affiliated with Moi University and focuses on African Studies research in Africa.

Seyi Mutua is affiliated with Department of Advanced Studies, University of Nairobi and focuses on African Studies research in Africa.

Wanjiku Kiplagat is affiliated with University of Nairobi and focuses on African Studies research in Africa.

Abstract

The Nile Basin is a critical water resource for multiple countries in East Africa, including Kenya. Water scarcity and its associated conflicts are significant challenges that have affected social stability and economic development. A structured survey was conducted among stakeholders including farmers, government officials, and NGOs involved in water management. The survey utilised a Likert scale questionnaire for responses. The findings indicate that approximately 45% of respondents believe current conflict mitigation strategies are insufficient to address the challenges posed by water scarcity, with themes focusing on improved irrigation techniques and community-based dispute resolution mechanisms being most frequently cited as effective solutions. Despite some progress in mitigating conflicts related to water scarcity, there is a need for more robust and comprehensive approaches. The study recommends integrating technological innovations and enhancing public awareness campaigns. Stakeholders should collaborate on developing and implementing integrated water management strategies that include technological support and community engagement programmes.

Keywords: Nile Basin, Water Scarcity, Conflict Resolution, Sustainable Development, Quantitative Research, GIS Mapping, Environmental Policy

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