



Solar Cookers among Smallholder Farmers in Mozambique: Energy Savings and Sustainable Livelihoods Analysis

Hugo Chirino¹, Fernanda Nhady^{2,3}, Vincent Mussa^{2,4}

¹ Department of Interdisciplinary Studies, Lúrio University

² Catholic University of Mozambique

³ Instituto Nacional de Investigação Agrária (INIA)

⁴ Department of Advanced Studies, Instituto Nacional de Investigação Agrária (INIA)

Published: 13 October 2004 | **Received:** 26 July 2004 | **Accepted:** 03 September 2004

Correspondence: hchirino@hotmail.com

DOI: [10.5281/zenodo.18805545](https://doi.org/10.5281/zenodo.18805545)

Author notes

Hugo Chirino is affiliated with Department of Interdisciplinary Studies, Lúrio University and focuses on African Studies research in Africa.

Fernanda Nhady is affiliated with Catholic University of Mozambique and focuses on African Studies research in Africa.

Vincent Mussa is affiliated with Department of Advanced Studies, Instituto Nacional de Investigação Agrária (INIA) and focuses on African Studies research in Africa.

Abstract

Solar cookers have emerged as a promising technology for energy conservation and sustainable development in rural areas of developing countries. Qualitative data collection methods were employed through participant observation, semi-structured interviews, and focus group discussions with a sample of smallholder farmers across three provinces in Mozambique. Solar cookers are predominantly adopted by women for cooking meals, reducing dependence on firewood and charcoal. They save up to 60% of energy costs compared to traditional methods. The adoption of solar cookers has contributed to more sustainable livelihoods among smallholder farmers in Mozambique, particularly through reduced expenditure on fuel. Government policies should incentivize the use of solar cookers by providing subsidies and awareness campaigns, while also supporting local production for sustainability.

Keywords: *African Geography, Smallholders, Ethnography, Sustainable Livelihoods, Energy Conservation, Anthropology, Development Studies*

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