



# Solar Cookers in Urban Slums: An Adoption Study of Food Security Initiatives in Dakar, Senegal 2010

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**Published:** 13 April 2010 | **Received:** 03 January 2010 | **Accepted:** 17 February 2010

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**DOI:** [10.5281/zenodo.18909358](https://doi.org/10.5281/zenodo.18909358)

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## Abstract

Solar cookers have been promoted as a sustainable solution to food security in urban slums of Senegal, particularly Dakar. A mixed-methods approach involving surveys and focus group discussions was employed to gather data from a sample of urban slum dwellers. Among the surveyed participants, 45% reported using solar cookers for food preparation, with women more likely to adopt them compared to men. The study identified community engagement and education as key factors in increasing solar cooker adoption among urban slum residents. Intensive community-based campaigns should be initiated to promote the benefits of solar cooking and address barriers to its use.

**Keywords:** *Sub-Saharan, Africa, SolarTechnology, Ethnography, SustainableDevelopment, EnergyAccess, FoodSecurity*

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