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Biomass Energy Integration and Forestry Sustainability in Malawi

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Abstract

Malawi faces significant challenges in sustainable energy production and forestry management, with biomass energy playing a crucial role in meeting its energy needs. The integration of biomass energy systems offers a promising pathway for balancing energy security with environmental conservation in Malawi. Government policies should incentivize farmers to adopt sustainable forestry practices and support the development of bioenergy infrastructure. The empirical specification follows $Y = \vec{\beta}_{0+\beta} p\, X + varepsilon$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *Biomass, Forestry, Malawi, Sustainability, Carbon Footprint, Agroforestry, Biomass Gasification*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

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