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Effect of the Energy Mix on Income Inequality in Sub-Saharan Africa: Do Green Technological Innovation Change the Picture?

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Abstract: This article assesses the effect of green technological innovation on the relationship between the energy mix and income inequality. The study uses the method of generalised moments in a system on a sample of 40 sub-Saharan African countries over the period 2000–2021. The results show that the energy mix reduces income inequality, validating the growth hypothesis between these two variables. In addition, green technological innovation improves the effect of the energy mix on income inequality. The results remain stable in several robustness and sensitivity tests. Consequently, this study suggests the implementation of appropriate policies that would ensure that investments in green technological innovation are used optimally to further stimulate the energy mix to reduce income inequality.

Keywords: Energy Mix, Income Inequalities, Green Technological Innovation, Sub-Saharan African Countries

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