



Green Growth or Planet's Warming? Exploring the Effects of Agriculture, Urbanization, and Forests

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Abstract

This study examines the impact of Livestock Production, Urbanization, and Forest area on Global Warming using secondary data from 30 data gathered from World Bank Indicators and the International Monetary Fund from 1993 to 2022 for the global context, which includes 133 countries. In some countries, it has been identified as a health concern because of the high temperature and the unbearable heat that has caused some heart problems in other health concerns; because of that, identifying the influence of Livestock Production, Urbanization, and Forest areas on Global Warming and understanding their relationship, and assessing the impact of those factors on Global Warming is crucial in addressing this issue. The stepwise panel regression was performed using STATA analytical software to obtain the results. However, the result shows that livestock production significantly impacts global warming. An increase of one unit of livestock production positively impacts global warming. In addition, the results identified that the increase in urbanization positively affected global warming. Positive and significant coefficient indicates the one unit increase in urbanization results in one unit increase in global warming. Furthermore, the negative coefficient of forest area indicates the one unit increase in forest area results in one unit decrease in global warming. This study contributes to the past and future studies related to temperature change in various aspects, understanding the environmental drivers, raising public attention and those factors such as livestock production, Urbanization, and forest areas can influence to increase or decrease global warming and the understanding of global warming mitigation strategies by investigating the impact of these three factors.

Key Words: Forest Area, Global Warming, Livestock Production, Urbanization.

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