

The Relationship between Carbon Dioxide Emissions and Economic Growth: Findings from the Organization of Islamic Cooperation Countries

Mustafa Yılmaz¹

ABSTRACT

Economic growth is inherently closely related to the environment due to the nature of production factors. The relationship between economic growth and carbon emissions is frequently encountered in the literature. However, it is not sufficiently clear which type of carbon emission is more closely related to economic growth. This study aims to investigate the relationship between economic growth and different carbon emissions data. For this purpose, unlike the literature, the relationship between economic growth and data on eight different carbon emissions was examined using fourier-based panel data analysis methods for 52 member countries of the Organization of Islamic Cooperation (OIC) from 1991-2023. According to results, carbon intensity variable has the strongest causal relationship with economic growth. The total carbon emissions and carbon emissions from buildings variables follow the carbon intensity variable. Keywords: Bangladesh, conventional microfinance, interest, Islamic microfinance, poverty.

Keywords: Green Growth, Carbon Emissions, Economic Growth, Organization of Islamic Cooperation, Fourier Analyses

JEL Classification: E6, O440, O57

¹ Necmettin Erbakan University, Academy of Applied Sciences, International Trade of Academy of Applied Sciences, Konya, Türkiye.
E-mail: mustafa.yilmaz@erbakan.edu.tr