The Impact of Globalization on The Ecological Footprint: Do Convergence Clubs Matter?

Şükrü Apaydın (✉ sukruapaydin@nevsehir.edu.tr)
Nevşehir Hacı Bektas Veli University

Uğur Ursavas
Zonguldak Bülent Ecevit University: Zonguldak Bülent Ecevit Universitesi

Umit Koc
Central Bank of the Republic of Turkey: Turkiye Cumhuriyet Merkez Bankası

Research Article

Keywords: Globalization, Economic Growth, Ecological Footprint, Club Convergence, Panel FMOLS, Panel DOLS

DOI: https://doi.org/10.21203/rs.3.rs-241707/v1

License: This work is licensed under a Creative Commons Attribution 4.0 International License. Read Full License
Abstract

This paper investigates the impact of globalization on the ecological footprint for 130 countries over the period 1980-2016. To do so, we follow a two-step procedure. First, we analyze convergence in ecological footprint and identify possible convergence clubs across countries using a novel approach proposed by Phillips and Sul (2007). Then, we investigate the impact of globalization on ecological footprint using panel FMOLS (Fully Modified Ordinary Least Squares) and panel DOLS (Dynamic Ordinary Least Squares) methods. The results show that globalization is significantly and positively related to the ecological footprint both for the full panel sample and for all convergence clubs. However, the impact of globalization on ecological footprint significantly varies across convergence clubs and full panel sample. Furthermore, the findings show that the convergence club with the lowest impact of globalization on the ecological footprint is the closest club to the panel average.

Full Text

Due to technical limitations, full-text HTML conversion of this manuscript could not be completed. However, the latest manuscript can be downloaded and accessed as a PDF.