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April 16-18, 2026 KAYSERİ

THE GLOBAL ECONOMY

in the age of polycrisis

ARTIFICIAL INTELLIGENCE • ECOLOGY • FINANCIAL RESILIENCE

PROCEEDING BOOK

Editors

Ömer Burak YEL & Emine ABANOZ



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İSTANBUL
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THE IMPACT OF HEALTH EXPENDITURES ON ENVIRONMENTAL DEGRADATION IN TÜRKİYE WITHIN THE FRAMEWORK OF THE LOAD CAPACITY CURVE HYPOTHESIS

Canan ŞENTÜRK¹⁴¹, Aynur TORAMAN¹⁴², Onur SUNGUR¹⁴³,
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Abstract

Sustainable development aims to meet the needs of the present without compromising the ability of future generations to meet their own needs. In this regard, prioritizing environmental quality and/or limiting degradation emerges as an indispensable element of this process. Furthermore, in achieving a balance between the fundamental components of sustainable development—economic growth, social/societal welfare, and environmental protection—health expenditures play an important role as public spending that increases social welfare. In this context, the study aims to examine the impact of health expenditures on environmental degradation in Türkiye within the framework of the Load Capacity Curve Hypothesis. Using data from 1998 to 2023, the Johansen Cointegration Test and Vector Error Correction Model are applied. The findings of the study suggest that economic growth does not support the Load Capacity Curve Hypothesis (inverse U) in relation to environmental degradation. On the other hand, health expenditures are found to have a supportive effect on environmental quality in the long term.

Keywords: Carbon Intensity, Health Expenditures, Türkiye, Load Capacity Curve Hypothesis

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