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February 2019

Online at <https://mpra.ub.uni-muenchen.de/124178/>
MPRA Paper No. 124178, posted 31 Mar 2025 14:36 UTC

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Document Type : Research Paper

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 10.22054/EENR.2019.12479

Abstract

Climate change is the most important phenomenon that directly affects the environment worldwide. The effect of this global phenomenon varies across countries. Some of the consequences of climate change worth mentioning are disappearing of glaciers, the sea level rise and the declining crop yields in Iran being located in an arid and semi-arid area in the Middle East region as well as facing the water crisis hence will not be immune to climate change and its consequences. In this paper, we investigate the effect of climate variables such as temperature and precipitation on GDP growth in 27 provinces in Iran. The labor force, investment and energy consumption are the control variables. We have estimated the panel data model for the years 2000 to 2015. The results indicate a negative effect of temperature on GDP growth with or without the oil production. We have also demonstrated that the rising rainfall contributes to GDP growth.

Keywords

Climate Change ; Economic Growth ; Global Warming ; Greenhouse Gases ; Panel Data ; Iran



Journal of
**Environmental and Natural
Resource Economics**

A Quarterly Journal

Faculty of Economics, Allameh Tabataba'i University

Volume 3, No.5, Summer 2019

Volume 3, Issue 5 - Serial Number 5
September 2019
Pages 127-152



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