

عنوان مقاله:

The Impact of Climate Change on the Added Value of the Agriculture Sector: A Panel Data Approach

محل انتشار:

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خلاصه مقاله:

The agriculture sector is known as the motive power of the economy in developing countries because it not only guarantees the food security of these countries but also takes a lion's share of these countries' Gross Domestic Product (GDP) and non-oil exports. However, it is sensitive to environmental conditions. As a result, the issue of global warming, and subsequent climate change could have a direct impact on it. Therefore, in this study, the Panel Data Method and Translog Production Function have been employed to assess whether this effect has been positive for the agriculture sector of Iran or not. Analysis of data obtained between 2001 and 2020 in the agricultural sector has shown that both Temperature and Rainfall variables are harmful for this section of economics, although Rainfall can decrease the rate of unemployment in this section. Moreover, the growth in industry and trade sectors can help to .develop the agriculture sector

کلمات کلیدی:

The Added Value of the Agriculture Sector, Climate Change, Translog Production Function, Panel Data Method

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